

## AIMOL Sportline 10W-40

### Cars

Acura

SLX

SLX 3.2 V6 1996-1997  
Engine 6VD1W  
SLX 3.5 V6 1998-1999  
Engine 6VE1W

Alfa Romeo

33

33 1.3 1990-1992  
Engine  
33 1.3 / Sport Wagon 1990-1992  
Engine  
33 1.5 i.e./ Sport Wagon 1990-1994  
Engine  
33 1.7 i.e./ Sport Wagon 1987-1994  
Engine  
33 1.7 i.e. 4x4 / Sport Wagon 1987-1994  
Engine  
33 Boxer 16V / Sport Wagon 1990-1994  
Engine  
33 1.8 TDi 1990-1994  
Engine

145

145 1.3/1.4 1994-1997  
Engine  
145 1.4 T.Spark 1996-2000  
Engine AR 33503  
145 1.6 1994-1997  
Engine  
145 1.6 T.Spark 1996-2000  
Engine AR 67601  
145 1.7 16V 1994-1997  
Engine  
145 1.8 T.Spark 1996-1998  
Engine AR 67106  
145 1.8 T.Spark 1998-2000  
Engine AR 32201  
145 QV 1995-1998  
Engine AR 67204  
145 QV 1998-2000  
Engine AR 32301  
145 TD 1994-1999  
Engine  
145 JTD 1999-2000  
Engine AR 32302

146

146 1.3/1.4 1995-1996  
Engine  
146 1.4 T.Spark 1996-2001  
Engine AR 33503  
146 1.6 T.Spark 1996-2001  
Engine AR 67601  
146 1.6 1995-1997  
Engine  
146 1.7 16V 1995-1997  
Engine  
146 1.8 T.Spark 1996-1998  
Engine AR 67106  
146 1.8 T.Spark 1998-2001  
Engine AR 32201  
146 2.0 ti 1996-1998  
Engine AR 67204  
146 2.0 ti 1998-2001  
Engine AR 32301  
146 TD 1994-1999  
Engine  
146 JTD 1999-2001  
Engine AR 32302

147

147 1.6 TS (77 kW) 2000-2010  
Engine AR 37203  
147 1.6 TS (88 kW) 2000-2010  
Engine AR 3204  
147 2.0 TS 2000-2010  
Engine AR 32310  
147 1.9 JTD (74 kW) 2000-2010  
Engine  
147 1.9 JTD (85 kW) 2000-2010

|     |  |  |
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|     | Engine                                     |  |
|     | 147 1.9 JTDm (88 kW) 2007-2010             |  |
|     | Engine 939A1000                            |  |
|     | 147 1.9 JTD 16V 2002-2005                  |  |
|     | Engine 192A5000                            |  |
|     | 147 1.9 JTDm 16V 2005-2010                 |  |
|     | Engine 192A5000                            |  |
|     | 147 1.9 JTDm 16V Q2 2007-2010              |  |
|     | Engine 192A5000                            |  |
| 155 |  |  |
|     | 155 1.6 T.Spark 16V 1996-1997              |  |
|     | Engine                                     |  |
|     | 155 1.7 Twin Spark 1993-1996               |  |
|     | Engine                                     |  |
|     | 155 1.8 Twin Spark 1992-1996               |  |
|     | Engine                                     |  |
|     | 155 1.8 T.Spark 16V 1996-1997              |  |
|     | Engine                                     |  |
|     | 155 2.0 Twin Spark 1992-1995               |  |
|     | Engine                                     |  |
|     | 155 2.0 T.Spark 16V 1995-1997              |  |
|     | Engine                                     |  |
|     | 155 Q4 2.0 Turbo 1992-1997                 |  |
|     | Engine                                     |  |
|     | 155 2.5 V6 1992-1997                       |  |
|     | Engine                                     |  |
|     | 155 2.0 TD 1993-1997                       |  |
|     | Engine                                     |  |
|     | 155 2.5 TD 1993-1997                       |  |
|     | Engine                                     |  |
| 156 |  |  |
|     | 156 1.6 TS (82 kW) 1997-2005               |  |
|     | Engine AR 67601                            |  |
|     | 156 1.6 TS (88 kW) 1997-2005               |  |
|     | Engine AR 67601                            |  |
|     | 156 1.8 TS (106 kW) 1997-2000              |  |
|     | Engine AR 32201                            |  |
|     | 156 1.8 TS (103 kW) 2000-2005              |  |
|     | Engine AR 32205                            |  |
|     | 156 2.0 TS 1997-2001                       |  |
|     | Engine AR 32301                            |  |
|     | 156 2.5 V6 24V 1997-2002                   |  |
|     | Engine AR 32401                            |  |
|     | 156 2.5 V6 24V 2002-2005                   |  |
|     | Engine AR 32405                            |  |
|     | 156 1.9 JTD 1997-2005                      |  |
|     | Engine AR 32302                            |  |
|     | 156 1.9 JTD 16V 2002-2005                  |  |
|     | Engine 192A5000                            |  |
|     | 156 1.9 JTDm 16V Q4 2005-2007              |  |
|     | Engine 937A5000                            |  |
|     | 156 2.4 JTD 1997-2005                      |  |
|     | Engine AR 32501                            |  |
|     | 156 2.4 JTD 20V 2003-2005                  |  |
|     | Engine                                     |  |
| 164 |  |  |
|     | 164 2.0 Twin Spark 1987-1989               |  |
|     | Engine 06416                               |  |
|     | 164 2.0 Twin Spark with catalyst 1990-1992 |  |
|     | Engine 06416                               |  |
|     | 164 2.0 TS (Super) 1992-1998               |  |
|     | Engine 64103                               |  |
|     | 164 2.0 Turbo 1987-1991                    |  |
|     | Engine 06476                               |  |
|     | 164 2.0 V6 Turbo 1991-1994                 |  |
|     | Engine 64102                               |  |
|     | 164 2.0 V6 Turbo With catalyst 1991-1994   |  |
|     | Engine 64102                               |  |
|     | 164 3.0 V6 1987-1989                       |  |
|     | Engine 06412                               |  |
|     | 164 3.0 V6 with catalyst 1990-1992         |  |
|     | Engine 06412                               |  |
|     | 164 3.0 V6 QV 1990-1993                    |  |
|     | Engine 64301                               |  |
|     | 164 3.0 V6 Super 1992-1998                 |  |
|     | Engine 64305                               |  |
|     | 164 3.0 V6 24V Super 1992-1998             |  |
|     | Engine 66301                               |  |
|     | 164 3.0 V6 24V QV 1992-1993                |  |
|     | Engine 64304                               |  |
|     | 164 3.0 V6 24V Q4 1993-1998                |  |
|     | Engine                                     |  |

|              |  |
|--------------|--|
|              | 164 2.5 TD (Super) 1993-1998<br>Engine VM08B           |
| 166          | 166 2.0 TS 1998-2003<br>Engine AR 34103                |
|              | 166 2.0 TS 2003-2007<br>Engine AR 34103                |
|              | 166 2.0 TB 1998-2003<br>Engine AR 34102                |
|              | 166 2.0 TB 2003-2007<br>Engine AR 34102                |
|              | 166 2.5 V6 1998-2003<br>Engine AR 34201                |
|              | 166 2.5 V6 2003-2005<br>Engine AR 34201                |
|              | 166 3.0 V6 1998-2003<br>Engine AR 34301                |
|              | 166 3.0 V6 2003-2007<br>Engine AR 34301                |
|              | 166 2.4 JTD 1998-2003<br>Engine AR 34202               |
|              | 166 2.4 JTD 2003-2007<br>Engine AR 34202               |
|              | 166 2.4 JTDm 20V 2003-2007<br>Engine                   |
| GT           | GT 1.8 TS 2004-2010<br>Engine AR 32205                 |
|              | GT 1.9 JTDm 16V (110 kW) 2004-2010<br>Engine 937A5000  |
|              | GT 1.9 JTDm 16V (125 kW) 2004-2010<br>Engine 937A5000  |
| GTV          | GTV 1.8 16V Twin Spark 1998-2003<br>Engine AR 32201    |
|              | GTV 2.0 16V Twin Spark 1995-2005<br>Engine AR 16201    |
|              | GTV 2.0 V6 Turbo 1995-2003<br>Engine AR 16202          |
|              | GTV 3.0 V6 24V 1996-2003<br>Engine AR 16102            |
| Spider       | Alfa Spider 1.6 1990-1993<br>Engine                    |
|              | Alfa Spider 2.0 1990-1993<br>Engine                    |
|              | Alfa Spider 2.0 Quadrifoglio Verde 1990-1993<br>Engine |
| Spider       | Spider 1.8 16V Twin Spark 1998-2003<br>Engine AR 32201 |
|              | Spider 2.0 16V Twin Spark 1995-2006<br>Engine AR 16201 |
|              | Spider 2.0 V6 Turbo 1998-2003<br>Engine AR 16202       |
|              | Spider 3.0 V6 1995-2003<br>Engine AR 16101             |
|              | Spider 3.0 V6 24V 1998-2003<br>Engine AR 16102         |
| SZ, RZ       | Alfa SZ 1989-1991<br>Engine                            |
|              | Alfa RZ 1992-1994<br>Engine                            |
| Aro          |  |
| 24           | 24 2.5 1984-2006<br>Engine Aro L25                     |
| Aston Martin |  |
| Cygnets      | Cygnets 1.3 VVT-i 2011-<br>Engine                      |
| V8           | V8 Virage, Volante 1991-2001<br>Engine                 |
|              | V8 Vantage 1993-2001<br>Engine                         |
| DB7          | DB7 1994-2004<br>Engine                                |
|              | DB7 Vantage 1999-2004<br>Engine                        |

# Lubricant Report



Audi

|             |   |
|-------------|---|
| A2          | A2 1.4 2000-2005<br>Engine AUA                                    |
|             | A2 1.6 FSI 2002-2005<br>Engine BAD                                |
| A3, S3      | A3 1.6 8L 1996-2000<br>Engine AEH                                 |
|             | A3 1.6 8L 2000-2003<br>Engine AEH                                 |
|             | A3 1.8 20V 8L 1996-2000<br>Engine AGN                             |
|             | A3 1.8 20V 8L 2000-2003<br>Engine AGN                             |
|             | A3 1.8 20V Turbo (110 kW) 8L 1996-2000<br>Engine AGN              |
|             | A3 1.8 20V Turbo (110 kW) 8L 2000-2003<br>Engine AGN              |
|             | A3 1.8 20V Turbo (110 kW) quattro 8L 1996-2000<br>Engine AGN      |
|             | A3 1.8 20V Turbo (110 kW) quattro 8L 2000-2003<br>Engine AGN      |
|             | A3 1.8 20V Turbo (132 kW) 8L 1999-2000<br>Engine                  |
|             | A3 1.8 20V Turbo (132 kW) 8L 2000-2003<br>Engine ARY, AUQ         |
|             | A3 1.8 20V Turbo (132 kW) quattro 8L 1999-2000<br>Engine AJQ, APP |
|             | A3 1.8 20V Turbo (132 kW) quattro 8L 2000-2003<br>Engine ARY, AUQ |
|             | S3 1.8 20V Turbo (154 kW) quattro 8L 1999-2001<br>Engine          |
|             | S3 1.8 20V Turbo (165 kW) quattro 8L 2002-2003<br>Engine          |
|             | A3 1.9 TDi (66 kW) 8L 1996-2000<br>Engine AGR                     |
|             | A3 1.9 TDi (66 kW) 8L 2000-2003<br>Engine AGR                     |
|             | A3 1.9 TDi (81 kW) 8L 1996-2000<br>Engine AHF                     |
|             | A3 1.9 TDi (81 kW) 8L 2000-2003<br>Engine AHF                     |
| A3, S3, RS3 | A3 1.6 2003-2008<br>Engine BGU                                    |
|             | A3 1.6 FSI 2003-2007<br>Engine BAG, BLP                           |
|             | A3 2.0 FSI 2003-2006<br>Engine AXW, BLX                           |
|             | A3 2.0 TFSI (147 kW) 2004-2008<br>Engine AXX                      |
|             | A3 2.0 TFSI quattro (147 kW) 2004-2008<br>Engine AXX              |
| 80, RS2     | 80 1.3 1986-1987<br>Engine  |
|             | 80 1.6 1986-1989<br>Engine  |
|             | 80 1.6 1990-1991<br>Engine  |
|             | 80 1.6E 1992-1994<br>Engine ABM                                   |
|             | 80 1.8 1986-1989<br>Engine  |
|             | 80 quattro 1.8 1986-1987<br>Engine                                |
|             | 80 1.8 1990-1991<br>Engine  |
|             | 80 quattro 1.8 1990-1991<br>Engine                                |
|             | 80 1.8S 1990-1991<br>Engine                                       |
|             | 80 quattro 1.8S 1987-1989<br>Engine                               |
|             | 80 1.8E 1986-1987<br>Engine                                       |
|             | 80 quattro 1.8E 1989-1990<br>Engine                               |
|             | 80 1.9E 1986-1989<br>Engine                                       |
|             | 80 quattro 1.9E 1986-1989   |

|                              |                      |
|------------------------------|----------------------|
|                              | Engine               |
| 80 2.0E 1990-1991            | Engine               |
| 80 quattro 2.0E 1990-1994    | Engine               |
| 80 2.0E 1992-1994            | Engine ABT           |
| 80 quattro 2.0 16V 1990-1994 | Engine               |
| 80 quattro 2.2 1982-1985     | Engine               |
| RS2 1992-1995                | Engine               |
| 80 2.3E 1992-1995            | Engine NG            |
| 80 quattro 2.3E 1992-1995    | Engine NG            |
| 80 2.6E 1992-1995            | Engine ABC           |
| 80 quattro 2.6E 1992-1995    | Engine ABC           |
| 80 2.8E 1991-1992            | Engine               |
| 80 quattro 2.8E 1991-1992    | Engine               |
| 80 2.8E 1992-1995            | Engine AAH           |
| 80 quattro 2.8E 1992-1995    | Engine AAH           |
| 80 1.6 D 1986-1989           | Engine               |
| 80 1.6 TD 1986-1991          | Engine               |
| 80 1.9 D 1990-1991           | Engine               |
| 80 1.9 TD 1991-1994          | Engine AAZ           |
| 80 1.9 TDi 1991-1994         | Engine 1Z            |
| 90                           |                      |
| 90 2.0 1985-1987             | Engine               |
| 90 2.0 1987-1991             | Engine               |
| 90 2.0 1991-1992             | Engine               |
| 90 quattro 2.0 1986-1987     | Engine               |
| 90 2.0 20V 1988-1991         | Engine               |
| 90 quattro 2.0 20V 1988-1992 | Engine               |
| 90 2.2 1985-1986             | Engine               |
| 90 2.2 1986-1990             | Engine               |
| 90 quattro 2.2 1985-1986     | Engine               |
| 90 quattro 2.2 1986-1990     | Engine               |
| 90 2.3 E 1987-1992           | Engine               |
| 90 quattro 2.3 E 1987-1992   | Engine               |
| Cabriolet                    |                      |
| Cabriolet 1.8 1997-2000      | Engine ADR, APT, ARG |
| Cabriolet 2.0 1991-1997      | Engine ABK           |
| Cabriolet 2.3E 1991-1992     | Engine               |
| Cabriolet 2.3E 1992-1994     | Engine NG            |
| Cabriolet 2.6 1994-2000      | Engine ABC           |
| Cabriolet 2.8 1992-2000      | Engine AAH           |
| Cabriolet 1.9 TDi 1995-2000  | Engine 1Z            |
| Coupé, S2                    |                      |
| Coupé 1.8 1986-1988          | Engine               |

|                               |           |                                |
|-------------------------------|-----------|--------------------------------|
| Coupé 2.0                     | 1989-1995 | Engine ABK                     |
| Coupé 2.0 16V                 | 1992-1995 | Engine ACE                     |
| Coupé GT 2.0                  | 1986-1988 | Engine                         |
| Coupé GT 2.2                  | 1986-1988 | Engine                         |
| Coupé quattro 2.2             | 1986-1988 | Engine                         |
| S2 Coupé quattro              | 1990-1992 | Engine 3B                      |
| S2 Coupé quattro              | 1992-1995 | Engine ABY                     |
| Coupé 2.3E                    | 1992-1994 | Engine NG                      |
| Coupé quattro 2.3E            | 1992-1994 | Engine NG                      |
| Coupé 2.3E                    | 1988-1991 | Engine                         |
| Coupé quattro 2.3E            | 1988-1991 | Engine                         |
| Coupé 2.3E 20V                | 1989-1991 | Engine                         |
| Coupé quattro 2.3 20V         | 1989-1991 | Engine                         |
| Coupé 2.6E                    | 1992-1995 | Engine ABC                     |
| Coupé quattro 2.6E            | 1992-1995 | Engine ABC                     |
| Coupé 2.8E                    | 1991-1995 | Engine AAH                     |
| Coupé quattro 2.8E            | 1991-1995 | Engine AAH                     |
| A4, S4, RS4                   |           |                                |
| A4 1.6 (74 kW)                | 1994-2001 | Engine ADP, AHL, ANA, ARM      |
| A4 1.6 (75 kW)                | 2000-2001 | Engine ALZ                     |
| A4 1.8 (92 kW)                | 1994-2001 | Engine ADR, APT, ARG           |
| A4 1.8 quattro (92 kW)        | 1994-2001 | Engine ADR, APT, ARG           |
| A4 1.8 Turbo (110 kW)         | 1994-2001 | Engine AEB, ANB, APU, ARK, AWT |
| A4 1.8 Turbo quattro (110 kW) | 1994-2001 | Engine AEB, ANB, APU, ARK, AWT |
| A4 1.8 Turbo (132 kW)         | 1997-2001 | Engine AJL                     |
| A4 1.8 Turbo quattro (132 kW) | 1997-2001 | Engine AJL                     |
| A4 2.4 V6 (120 kW)            | 1997-2001 | Engine AMM, APZ                |
| A4 2.4 V6 (121 kW)            | 1997-2001 | Engine AGA, ALF, AML, APS, ARJ |
| A4 2.4 V6 quattro ((120 kW)   | 1997-2001 | Engine AMM, APZ                |
| A4 2.4 V6 quattro ((121 kW)   | 1997-2001 | Engine AGA, ALF, AML, APS, ARJ |
| A4 2.6 V6 (110 kW)            | 1994-1997 | Engine ABC                     |
| A4 2.6 V6 quattro (110 kW)    | 1994-1997 | Engine ABC                     |
| A4 2.8 V6 (128 kW)            | 1994-1997 | Engine AAH                     |
| A4 2.8 V6 quattro (128 kW)    | 1994-1997 | Engine AAH                     |
| A4 2.8 V6 (140 kW)            | 1999-2001 | Engine ATX                     |
| A4 2.8 V6 quattro (140 kW)    | 1999-2001 | Engine ATX                     |
| A4 2.8 V6 (142 kW)            | 1997-2001 | Engine ACK, APR, AQD           |
| A4 2.8 V6 quattro (142 kW)    | 1997-2001 | Engine ACK, APR, AQD           |
| S4 2.7 V6 Biturbo quattro     | 1997-2001 | Engine AGB, AZB                |
| RS4 2.7 V6 Biturbo quattro    | 2000-2001 | Engine ASJ, AZR                |
| A4 1.9 DI (55 kW)             | 1996-2000 | Engine AFF                     |
| A4 1.9 TDI (66 kW)            | 1994-2001 |                                |

|                                |  |
|--------------------------------|--|
|                                | Engine 1Z, AHU, AHH                    |
| A4 1.9 TDI (81 kW)             | 1996-2000<br>Engine AFN, AVG           |
| A4 1.9 TDI quattro (81 kW)     | 1996-2000<br>Engine AFN, AVG           |
| A4 1.9 TDI (85 kW)             | 1999-2001<br>Engine AJM, ATJ           |
| A4 1.9 TDI quattro (85 kW)     | 1999-2001<br>Engine AJM, ATJ           |
| A4 2.5 TDI V6 quattro (110 kW) | 1998-2001<br>Engine AFB, AKN           |
| A4, S4, RS4                    |  |
| A4 1.6 (75 kW)                 | 2001-2004<br>Engine ALZ                |
| A4 1.6 (75 kW)                 | 2004-2008<br>Engine ALZ                |
| A4 1.8 Turbo quattro (110 kW)  | 2001-2002<br>Engine AVJ                |
| A4 1.8 Turbo (120 kW)          | 2002-2008<br>Engine BFB                |
| A4 1.8 Turbo quattro (120 kW)  | 2002-2008<br>Engine BFB                |
| A4 1.8 Turbo (125 kW)          | 2001-2003<br>Engine AMB                |
| A4 1.8 Turbo quattro (125 kW)  | 2001-2005<br>Engine AMB                |
| A4 1.8 Turbo (140 kW)          | 2002-2005<br>Engine BEX                |
| A4 1.8 Turbo quattro (140 kW)  | 2002-2005<br>Engine BEX                |
| A4 2.0 (96 kW)                 | 2001-2004<br>Engine ALT                |
| A4 2.0 (96 kW)                 | 2004-2008<br>Engine ALT                |
| A4 2.0 (110 kW)                | 2002-2005<br>Engine AWA                |
| A4 2.0 TFSI (125 kW)           | 2006-2008<br>Engine BPJ, BYK           |
| A4 2.0 TFSI (147 kW)           | 2004-2008<br>Engine BGB, BPG, BWE, BWT |
| A4 2.0 TFSI quattro (147 kW)   | 2004-2008<br>Engine BGB, BPG, BWE, BWT |
| A4 2.0 TFSI (162 kW)           | 2005-2008<br>Engine BUL                |
| A4 2.0 TFSI quattro (162 kW)   | 2005-2008<br>Engine BUL                |
| A4 2.4 V6 (120 kW)             | 2001-2005<br>Engine AMM, APZ           |
| A4 2.4 V6 (125 kW)             | 2001-2005<br>Engine BDV                |
| A4 3.0 V6 (160 kW)             | 2001-2005<br>Engine BBJ                |
| A4 3.0 V6 (160 kW)             | 2004-2006<br>Engine BBJ                |
| A4 3.0 V6 (162 kW)             | 2001-2005<br>Engine ASN, AVK           |
| A4 3.2 FSI                     | 2005-2008<br>Engine AUK, BKH           |
| A4 3.2 FSI quattro             | 2005-2008<br>Engine AUK, BKH           |
| S4 4.2 V8 quattro              | 2003-2008<br>Engine BBK                |
| RS4 4.2 V8 quattro             | 2005-2008<br>Engine BNS                |
| A4 2.5 TDI V6 (120 kW)         | 2004-2006<br>Engine BDG                |
| A4 2.5 TDI V6 (132 kW)         | 2001-2005<br>Engine AKE, BAU, BDH      |
| A4 2.5 TDI V6 quattro (132 kW) | 2001-2005<br>Engine AKE, BAU, BDH      |
| 100, S4                        |  |
| 100 1.6E                       | 1992-1994<br>Engine ABB                |
| 100 1.8 (55 kW)                | 1986-1988<br>Engine                    |
| 100 1.8 (66 kW)                | 1986-1990<br>Engine                    |
| 100 quattro 1.8 (66 kW)        | 1986-1990<br>Engine                    |
| 100 2.0                        | 1986-1990<br>Engine                    |
| 100 2.0                        | 1990-1991                              |

|                        |                                 |
|------------------------|---------------------------------|
|                        | Engine                          |
| 100 quattro 2.0        | 1986-1987                       |
|                        | Engine                          |
| 100 2.0E               | 1990-1994                       |
|                        | Engine                          |
| 100 2.0E               | 1991-1994                       |
|                        | Engine ABK, AAD, AAE            |
| 100 2.0E quattro       | 1991-1994                       |
|                        | Engine ABK, AAD, AAE            |
| 100 2.0E 16V           | 1991-1992                       |
|                        | Engine ACE                      |
| 100 2.0E 16V           | 1992-1994                       |
|                        | Engine ACE                      |
| 100 2.0E 16V quattro   | 1992-1994                       |
|                        | Engine ACE                      |
| 100 2.2                | 1986-1987                       |
|                        | Engine                          |
| 100 2.2                | 1987-1989                       |
|                        | Engine                          |
| 100 quattro 2.2        | 1986-1990                       |
|                        | Engine                          |
| 100 quattro 2.2        | 1990-1991                       |
|                        | Engine                          |
| 100 2.2 Turbo          | 1987-1990                       |
|                        | Engine                          |
| 100 quattro 2.2 Turbo  | 1987-1990                       |
|                        | Engine                          |
| S4 2.2 Turbo           | 1992-1994                       |
|                        | Engine AAN                      |
| 100 2.3                | 1987-1990                       |
|                        | Engine                          |
| 100 quattro 2.3        | 1987-1990                       |
|                        | Engine                          |
| 100 2.3E               | 1991-1992                       |
|                        | Engine                          |
| 100 2.3E               | 1992-1994                       |
|                        | Engine AAR                      |
| 100 quattro 2.3E       | 1991-1992                       |
|                        | Engine                          |
| 100 2.3E quattro       | 1992-1994                       |
|                        | Engine AAR                      |
| 100 2.6E               | 1992-1994                       |
|                        | Engine ABC                      |
| 100 2.6E quattro       | 1992-1994                       |
|                        | Engine ABC                      |
| 100 2.8E               | 1990-1992                       |
|                        | Engine                          |
| 100 2.8E               | 1992-1994                       |
|                        | Engine AAH                      |
| 100 2.8E quattro       | 1991-1992                       |
|                        | Engine                          |
| 100 2.8E quattro       | 1992-1994                       |
|                        | Engine AAH                      |
| S4 4.2                 | 1992-1994                       |
|                        | Engine ABH                      |
| 100 2.0 D              | 1986-1990                       |
|                        | Engine                          |
| 100 2.0 TD             | 1986-1988                       |
|                        | Engine                          |
| 100 2.0 TD intercooler | 1988-1990                       |
|                        | Engine                          |
| 100 2.4 D              | 1990-1991                       |
|                        | Engine                          |
| 100 2.4 D              | 1991-1992                       |
|                        | Engine                          |
| 100 2.4 D              | 1992-1994                       |
|                        | Engine AAS                      |
| 100 2.5 TDi            | 1990-1991                       |
|                        | Engine                          |
| 100 2.5 TDi            | 1991-1992                       |
|                        | Engine                          |
| 100 2.5 TDi            | 1992-1994                       |
|                        | Engine AAT                      |
| 200                    |                                 |
|                        | 200 Turbo 2.1 1986-1989         |
|                        | Engine                          |
|                        | 200 Turbo 2.1 quattro 1986-1989 |
|                        | Engine                          |
| A6, S6                 |                                 |
|                        | A6 2.0 1994-1995                |
|                        | Engine                          |
|                        | A6 2.0 16V 1994-1995            |



Engine ACE  
 S6 2.2 20V Turbo quattro 1994-1997  
 Engine AAN  
 A6 2.3 1994-1995  
 Engine AAR  
 A6 2.6 V6 1994-1997  
 Engine ABC  
 A6 2.6 V6 quattro 1994-1997  
 Engine ABC  
 A6 2.8 V6 1994-1997  
 Engine AAH  
 A6 2.8 V6 quattro 1994-1997  
 Engine AAH  
 S6 4.2 V8 32V (213 kW) quattro 1994-1997  
 Engine  
 S6 4.2 V8 32V (240 kW) quattro 1996-1997  
 Engine  
 A6 1.9 TDI (66 kW) 1994-1997  
 Engine 1Z  
 A6 2.5 TDI (85 kW) 1994-1997  
 Engine  
 A6 2.5 TDI (103 kW) 1994-1997  
 Engine  
 A6 2.5 TDI (103 kW) quattro 1995-1997  
 Engine  
 A6, S6, RS6  
 A6 1.8 20V (85 kW) 1997-2000  
 Engine AFY  
 A6 1.8 20V 1997-2000  
 Engine AJP  
 A6 1.8 20V Turbo 1997-2000  
 Engine AEB, ANB, APU, ARK, AWT  
 A6 1.8 20V Turbo 2000-2002  
 Engine AEB, ANB, APU, ARK, AWT  
 A6 1.8 20V Turbo (AWT) 2001-2005  
 Engine AWT  
 A6 1.8 20V Turbo quattro 1997-2000  
 Engine AEB, ANB, APU, ARK, AWT  
 A6 1.8 20V Turbo quattro 2000-2005  
 Engine AWT  
 A6 2.0 20V 2001-2005  
 Engine ALT  
 A6 2.4 V6 30V 1997-2001  
 Engine AGA, ALF, AML, APS, ARJ  
 A6 2.4 V6 30V 2000-2005  
 Engine BDV  
 A6 2.4 V6 30V quattro 1997-2000  
 Engine AGA, ALF, AML, APS, ARJ  
 A6 2.4 V6 30V quattro 2000-2005  
 Engine BDV  
 A6 2.7 V6 30V BiTurbo quattro 1999-2000  
 Engine AJK  
 A6 2.7 V6 30V BiTurbo quattro 2000-2005  
 Engine ARJ, BES  
 A6 2.8 V6 30V 1997-2000  
 Engine ACK, APR, AQD  
 A6 2.8 V6 30V quattro 1997-2000  
 Engine ACK, APR, AQD  
 A6 3.0 V6 30V 2001-2005  
 Engine  
 A6 3.0 V6 30V quattro 2001-2005  
 Engine  
 A6 4.2 V8 40V quattro 1999-2000  
 Engine  
 A6 4.2 V8 40V quattro 2000-2005  
 Engine  
 S6 4.2 V8 40V quattro 1999-2005  
 Engine  
 A6 1.9 TDI (81 kW) 1997-2000  
 Engine AFN, AVG  
 A6 1.9 TDI (81 kW) 2000-2001  
 Engine AFN, AVG  
 A6 2.5 TDI V6 (110 kW) 1997-2000  
 Engine AFB  
 A6 2.5 TDI V6 (110 kW) 2000-2005  
 Engine AFB  
 A6 2.5 TDI V6 (110 kW) quattro 1997-2000  
 Engine AFB  
 A6 2.5 TDI V6 (110 kW) quattro 2000-2005  
 Engine AFB, AKN  
 A6 2.5 TDI V6 (114 kW) 2001-2003  
 Engine AYM

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|             |  |
|-------------|--|
|             | A6 2.5 TDI V6 (120 kW) 2000-2005<br>Engine BDG, BFC              |
|             | A6 2.5 TDI V6 (132 kW) 2000-2005<br>Engine AKE, BAU, BDH         |
|             | A6 2.5 TDI V6 (132 kW) quattro 2000-2005<br>Engine AKE, BAU, BDH |
| A6 Allroad  | A6 Allroad 2.7 V6 2000-2005<br>Engine ARE, BES                   |
|             | A6 Allroad 4.2 V8 2003-2005<br>Engine BAS                        |
|             | A6 Allroad 2.5 TDI (120 kW) 2003-2005<br>Engine BDG, BFC         |
|             | A6 Allroad 2.5 TDI (132 kW) 2000-2005<br>Engine AKE, BAU, BDH    |
| A6, S6, RS6 | A6 2.4 2005-2008<br>Engine BDW                                   |
|             | A6 2.4 quattro 2005-2008<br>Engine BDW                           |
|             | A6 3.0 2005-2006<br>Engine BBJ                                   |
|             | A6 3.0 quattro 2005-2006<br>Engine BBJ                           |
|             | A6 3.2 FSI 2005-2008<br>Engine AUK, BKH                          |
|             | A6 3.2 FSI quattro 2005-2008<br>Engine AUK, BKH                  |
|             | A6 4.2 quattro 2005-2008<br>Engine BAT                           |
|             | A6 4.2 FSI quattro 2006-2011<br>Engine BVJ                       |
|             | S6 5.2 FSI quattro 2006-2011<br>Engine BXA                       |
|             | A6 2.7 TDI (120 kW) 2005-2008<br>Engine BSG                      |
|             | A6 2.7 TDI quattro (120 kW) 2005-2008<br>Engine BSG              |
|             | A6 2.7 TDI (132 kW) 2005-2008<br>Engine BPP                      |
|             | A6 2.7 TDI quattro (132 kW) 2005-2008<br>Engine BPP              |
|             | A6 3.0 TDI quattro (155 kW) 2005-2008<br>Engine BNG              |
|             | A6 3.0 TDI quattro (165 kW) 2005-2008<br>Engine BMK              |
| A6 Allroad  | A6 Allroad 3.2 FSI 2006-2008<br>Engine AUK, BKH                  |
|             | A6 Allroad 4.2 FSI 2006-2010<br>Engine BVJ                       |
|             | A6 Allroad 2.7 TDI (120 kW) 2006-2008<br>Engine BSG              |
|             | A6 Allroad 2.7 TDI (132 kW) 2006-2008<br>Engine BPP              |
| V8          | V8 3.6 1989-1991<br>Engine PT                                    |
|             | V8 4.2 1991-1992<br>Engine                                       |
|             | V8 4.2 1992-1994<br>Engine ABH                                   |
| A8, S8      | A8 2.8 V6 30V (128 kW) 1994-1996<br>Engine AAH                   |
|             | A8 2.8 V6 30V (142 kW) 1996-1999<br>Engine ACK, ALG              |
|             | A8 2.8 V6 30V (142 kW) 1999-2003<br>Engine APR, AMX, AQD         |
|             | A8 2.8 V6 30V quattro (120 kW) 1995-1996<br>Engine AEJ           |
|             | A8 2.8 V6 30V quattro (128 kW) 1994-1996<br>Engine AAH           |
|             | A8 2.8 V6 30V quattro (142 kW) 1995-1999<br>Engine ACK, ALG      |
|             | A8 2.8 V6 30V quattro (142 kW) 1999-2003<br>Engine APR, AMX, AQD |
|             | A8 3.7 V8 32V (169 kW) 1995-1999<br>Engine AEW, AKJ              |
|             | A8 3.7 V8 32V (191 kW) 1998-2003<br>Engine AKC, AQG              |
|             | A8 3.7 V8 32V quattro (169 kW) 1997-1999                         |

|                        |   |
|------------------------|---|
|                        | Engine AEW, AKJ                         |
| A8 3.7 V8 32V          | quattro (191 kW) 1998-2003              |
|                        | Engine AKC, ACG                         |
| A8 4.2 V8 32V          | quattro (175 kW) 1999-2001              |
|                        | Engine ARU                              |
| A8 4.2 V8 32V          | quattro (180 kW) 1994-1999              |
|                        | Engine AEM                              |
| A8 4.2 V8 32V          | quattro (210 kW) 1995-1999              |
|                        | Engine AGH                              |
| A8 4.2 V8 32V          | quattro (220 kW) 1994-1999              |
|                        | Engine ABZ, AKG                         |
| A8 4.2 V8 40V          | quattro (228 kW) 1999-2003              |
|                        | Engine AQF, AUW                         |
| S8 4.2 V8 32V          | quattro (250 kW) 1997-1999              |
|                        | Engine AHC, AKH                         |
| S8 4.2 V8 40V          | quattro (265 kW) 1999-2003              |
|                        | Engine AQH, AVP                         |
| A8 6.0 W12             | quattro 2001-2003                       |
|                        | Engine AZC                              |
| A8 2.5 V6 TDI (110 kW) | 1997-2003                               |
|                        | Engine AFB, AKN                         |
| A8 2.5 V6 TDI (110 kW) | quattro 1997-2001                       |
|                        | Engine AFB, AKN                         |
| A8 2.5 V6 TDI (132 kW) | 1999-2003                               |
|                        | Engine AKE, BAU, BDH                    |
| A8 3.3 V8 TDI (165 kW) | quattro 1999-2003                       |
|                        | Engine AKF                              |
| A8, S8                 |   |
|                        | A8 3.0 2003-2006                        |
|                        | Engine ASN, AVK                         |
|                        | A8 3.2 FSI 2006-2010                    |
|                        | Engine BPK                              |
|                        | A8 3.2 FSI quattro 2006-2010            |
|                        | Engine BPK                              |
|                        | A8 3.7 quattro 2003-2006                |
|                        | Engine BFL                              |
|                        | A8 4.2 quattro 2003-2006                |
|                        | Engine BFM                              |
|                        | A8 4.2 FSI quattro 2006-2010            |
|                        | Engine BVJ                              |
|                        | S8 5.2 FSI quattro 2006-2010            |
|                        | Engine BSM                              |
|                        | A8 3.0 TDI quattro (155 kW) 2003-2010   |
|                        | Engine BNG                              |
|                        | A8 3.0 TDI quattro (171 kW) 2003-2010   |
|                        | Engine ASB                              |
|                        | A8 4.0 TDI quattro 2003-2006            |
|                        | Engine ASE                              |
| TT                     |   |
|                        | TT 1.8 Turbo (110 kW) 2001-2006         |
|                        | Engine AUM                              |
|                        | TT 1.8 Turbo (120 kW) 2005-2006         |
|                        | Engine BVP                              |
|                        | TT 1.8 Turbo (132 kW) 1998-2000         |
|                        | Engine AJQ, APP, ATC, AUQ               |
|                        | TT 1.8 Turbo (132 kW) 2000-2006         |
|                        | Engine AJQ, APP, ATC, AUQ               |
|                        | TT 1.8 Turbo (132 kW) quattro 1998-2000 |
|                        | Engine AJQ, APP, ATC, AUQ               |
|                        | TT 1.8 Turbo (140 kW) 2005-2006         |
|                        | Engine BVR                              |
|                        | TT 1.8 Turbo (140 kW) quattro 2005-2006 |
|                        | Engine BVR                              |
|                        | TT 1.8 Turbo (165 kW) quattro 1998-2006 |
|                        | Engine APX, BAM                         |
|                        | TT 1.8 Turbo (180 kW) quattro 2005-2006 |
|                        | Engine BFV                              |
|                        | TT 3.2 quattro 2003-2006                |
|                        | Engine BHE, BPF                         |
| Quattro                |   |
|                        | Quattro (147 kW) 1980-1989              |
|                        | Engine                                  |
|                        | Quattro (162 kW) 1989-1991              |
|                        | Engine                                  |
|                        | Sport quattro 1983-1987                 |
|                        | Engine KW                               |
| Bentley                |   |
|                        | Eight, Mulsanne                         |
|                        | Eight 1986-1992                         |
|                        | Engine                                  |
|                        | Mulsanne S 1986-1992                    |
|                        | Engine                                  |

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|     |                    |  |
|-----|--------------------|--|
|     | Brooklands         | Brooklands/R 1992-1999<br>Engine   |
|     | Turbo              | Turbo R/S/RT 1986-1999<br>Engine   |
|     | Continental, Azure | Continental 1986-1994<br>Engine<br>Continental R - S 1991-2003<br>Engine<br>Azure 1994-2002<br>Engine  |
|     | Arnage             | Arnage 1998-2000<br>Engine<br>Arnage Green Label 2000-2001<br>Engine BMW Cosworth  |
| BMW | 3-Series           | 316 1987-1991<br>Engine<br>316i with catalyst 1988-1991<br>Engine<br>325i 1986-1988<br>Engine M20B25<br>325iX 1986-1988<br>Engine M20B25<br>325e 1986-1988<br>Engine M20B27<br>M3 1989-1992<br>Engine<br>324d 1986-1988<br>Engine<br>324d 1988-1991<br>Engine<br>324td 1988-1991<br>Engine   |
|     | 3-Series           | 316i 1991-1994<br>Engine M40<br>316i 1993-1999<br>Engine M43<br>316i Compact 1993-2001<br>Engine M43<br>318i 1990-1994<br>Engine M40<br>318i 1992-2000<br>Engine M42<br>Engine M43<br>318is 1992-1996<br>Engine M42<br>318is 1995-1999<br>Engine M44<br>318ti Compact 1994-1996<br>Engine M42<br>318ti Compact 1995-2001<br>Engine M44<br>320i 1991-1995<br>Engine M50<br>320i 1994-1999<br>Engine M52<br>323i 1994-1999<br>Engine M52<br>323ti Compact 1997-2001<br>Engine M52<br>325i 1991-1995<br>Engine M50<br>328i 1994-1999<br>Engine M52<br>M3 1992-1995<br>Engine S50<br>M3 1995-1999<br>Engine S50/S52<br>318tds 1994-1996<br>Engine M41<br>318tds Compact 1994-1996<br>Engine M41<br>325td 1991-1995<br>Engine M51<br>325tds 1993-1995<br>Engine M51 |

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## 5-Series

|                                  |           |            |
|----------------------------------|-----------|------------|
| 518i                             | 1988-1989 | Engine     |
| 518i                             | 1989-1990 | Engine     |
| 520i                             | 1988-1989 | Engine     |
| 520i                             | 1990-1991 | Engine     |
| 520i                             | 1992-1995 | Engine     |
| 520i-24V                         | 1988-1989 | Engine     |
| 520i-24V                         | 1990-1991 | Engine     |
| 525i                             | 1988-1989 | Engine     |
| 525i                             | 1990-1991 | Engine     |
| 525i-24V                         | 1988-1990 | Engine     |
| 525i-24V                         | 1990-1991 | Engine     |
| 525i                             | 1992-1995 | Engine     |
| 525iX                            | 1992-1995 | Engine M50 |
| 530i                             | 1988-1989 | Engine     |
| 530i                             | 1990-1991 | Engine     |
| 530i V8                          | 1992-1993 | Engine     |
| 535i                             | 1988-1989 | Engine     |
| 535i                             | 1990-1991 | Engine     |
| 535i                             | 1992-1995 | Engine     |
| 540i                             | 1992-1995 | Engine     |
| M5                               | 1989-1991 | Engine     |
| M5                               | 1992-1995 | Engine     |
| 524td                            | 1988-1989 | Engine     |
| 524td                            | 1990-1991 | Engine     |
| 525tds                           | 1992-1995 | Engine     |
| 6-Series                         |           |            |
| 628 CSi                          | 1985-1990 | Engine     |
| 635 CSi                          | 1985-1987 | Engine     |
| 635 CSi                          | 1987-1990 | Engine     |
| M 635 CSi                        | 1985-1987 | Engine     |
| M 635 CSi                        | 1987-1989 | Engine     |
| 7-Series                         |           |            |
| 730i                             | 1987-1989 | Engine     |
| 730i                             | 1990-1991 | Engine     |
| 730i (with catalytic convertor)  | 1987-1994 | Engine     |
| 730i V8                          | 1992-1994 | Engine     |
| 735i                             | 1987-1989 | Engine     |
| 735i                             | 1990-1992 | Engine     |
| 735i (with catalytic convertor)  | 1987-1994 | Engine     |
| 735iL                            | 1987-1990 | Engine     |
| 735iL                            | 1990-1992 | Engine     |
| 735iL (with catalytic convertor) | 1987-1991 | Engine     |

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|          |                                  |                |
|----------|----------------------------------|----------------|
|          |                                  | Engine         |
|          | 740i                             | 1992-1994      |
|          |                                  | Engine         |
|          | 750i                             | 1987-1990      |
|          |                                  | Engine         |
|          | 750i                             | 1990-1992      |
|          |                                  | Engine         |
|          | 750i (with catalytic convertor)  | 1987-1990      |
|          |                                  | Engine         |
|          | 750iL                            | 1990-1991      |
|          |                                  | Engine         |
|          | 750iL                            | 1987-1990      |
|          |                                  | Engine         |
|          | 750iL (with catalytic convertor) | 1987-1990      |
|          |                                  | Engine         |
| 7-Series |                                  |                |
|          | 730i                             | 1994-1996      |
|          |                                  | Engine         |
|          | 740i                             | 1994-1996      |
|          |                                  | Engine         |
|          | 750i                             | 1994-1996      |
|          |                                  | Engine         |
| 8-Series |                                  |                |
|          | 840Ci                            | 1993-1996      |
|          |                                  | Engine         |
|          | 840Ci                            | 1995-1999      |
|          |                                  | Engine M62 B44 |
|          | 850i                             | 1990-1992      |
|          |                                  | Engine         |
|          | 850Ci                            | 1992-1994      |
|          |                                  | Engine         |
|          | 850Ci                            | 1994-1999      |
|          |                                  | Engine M73 B54 |
|          | 850CSi                           | 1992-1994      |
|          |                                  | Engine         |
|          | 850CSi                           | 1994-1997      |
|          |                                  | Engine S70 B56 |
| Z1       |                                  |                |
|          | Z1                               | 1988-1992      |
|          |                                  | Engine         |
| Z3       |                                  |                |
|          | Z3 1.8i                          | 1995-2000      |
|          |                                  | Engine M43 B18 |
| Brabus   |                                  |                |
| smart    |                                  |                |
|          | smart SD 1                       | 1999-2002      |
|          |                                  | Engine         |
| A        |                                  |                |
|          | A 2.2                            | 1999-2004      |
|          |                                  | Engine A 190   |
| C        |                                  |                |
|          | C 3.8 S                          | 1997-2002      |
|          |                                  | Engine C 320   |
|          | C V-8                            | 1991-1998      |
|          |                                  | Engine S 500   |
| E        |                                  |                |
|          | E 5.8                            | 1997-2002      |
|          |                                  | Engine E430    |
|          | EV 12                            | 1993-2000      |
|          |                                  | Engine SL 600  |
|          | TV 12                            | 1993-2000      |
|          |                                  | Engine SL 600  |
| SLK/CLK  |                                  |                |
|          | CLK 5.8                          | 1997-2001      |
|          |                                  | Engine CLK 430 |
|          | SLK 3.8 S                        | 2000-2002      |
|          |                                  | Engine SLK 320 |
|          | SLK V8                           | 2000-2002      |
|          |                                  | Engine SL 500  |
| S/SL/CL  |                                  |                |
|          | S 5.8                            | 1998-2005      |
|          |                                  | Engine S 500   |
|          | S 6.7 SV12                       | 1999-2005      |
|          |                                  | Engine S 600   |
|          | SL 7.3 S                         | 1993-2001      |
|          |                                  | Engine SL 600  |
|          | CL 5.8                           | 1999-2002      |
|          |                                  | Engine CL 500  |
|          | CL 6.7 SV12                      | 1999-2002      |
|          |                                  | Engine CL 600  |
| M        |                                  |                |
|          | ML 5.8                           | 1997-2000      |

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|                       |                            |                              |
|-----------------------|----------------------------|------------------------------|
|                       |                            | Engine ML 430                |
|                       | MV 12                      | 1993-2000<br>Engine SL 600   |
|                       | V                          |                              |
|                       | V 3.2                      | 1999-2002<br>Engine V280     |
| Chery                 | Bonus                      |                              |
|                       | Bonus 1.5                  | 2008-<br>Engine SQR477F      |
|                       | M11 / M12                  |                              |
|                       | M11 / M12 1.6 (88 kW)      | 2008-<br>Engine SQR481F      |
|                       | M11 / M12 1.6 (95 kW)      | 2008-<br>Engine E4G16        |
|                       | M11 / M12 1.8              | 2008-<br>Engine SQR481FC     |
|                       | M11 / M12 2.0              | 2008-<br>Engine SQR484F      |
|                       | Tengo                      |                              |
|                       | Tengo 1.6 (88 kW)          | 2008-<br>Engine SQR481F      |
|                       | Tengo 1.6 (95 kW)          | 2008-<br>Engine E4G16        |
|                       | Tengo 1.8                  | 2008-<br>Engine SQR481FC     |
|                       | Tengo 2.0                  | 2008-<br>Engine SQR484F      |
|                       | Chance / Niche             |                              |
|                       | Chance / Niche 1.6 (88 kW) | 2008-<br>Engine SQR481F      |
|                       | Chance / Niche 1.6 (95 kW) | 2008-<br>Engine E4G16        |
|                       | Chance / Niche 1.8         | 2008-<br>Engine SQR481FC     |
|                       | Chance / Niche 2.0         | 2008-<br>Engine SQR484F      |
|                       | Tiggo                      |                              |
|                       | Tiggo 1.6 (88 kW)          | 2006-<br>Engine SQR481F      |
|                       | Tiggo 1.6 (110 kW)         | 2010-<br>Engine              |
|                       | Tiggo 2.0                  | 2006-<br>Engine SQR484F      |
|                       | Tiggo 2.4                  | 2008-<br>Engine 4G64S4M      |
| Chevrolet EU (Daewoo) | Matiz                      |                              |
|                       | Matiz 0.8                  | 1998-2005<br>Engine          |
|                       | Matiz 0.8                  | 2005-2008<br>Engine          |
|                       | Matiz 1.0                  | 2002-2005<br>Engine L-4 SOHC |
|                       | Matiz 1.0                  | 2005-2008<br>Engine L-4 SOHC |
|                       | Spark                      |                              |
|                       | Spark 1.0                  | 2010-<br>Engine L-4 SOHC     |
|                       | Spark 1.2                  | 2010-<br>Engine L-4 DOHC     |
|                       | Lanos                      |                              |
|                       | Lanos 1.3                  | 1997-2002<br>Engine A13      |
|                       | Lanos 1.5                  | 1997-2002<br>Engine A15      |
|                       | Lanos 1.6                  | 1997-2002<br>Engine A16      |
|                       | Kalos                      |                              |
|                       | Kalos 1.2                  | 2002-2008<br>Engine 1.2 SOHC |
|                       | Kalos 1.4                  | 2002-2008<br>Engine 1.4 SOHC |
|                       | Aveo                       |                              |
|                       | Aveo 1.2                   | 2005-2008<br>Engine 1.2 SOHC |
|                       | Aveo 1.2                   | 2008-2011<br>Engine B12D     |
|                       | Aveo 1.4 16V (69 kW)       | 2005-2011<br>Engine 1.4 DOHC |
|                       | Aveo 1.6 16V               | 2005-2007<br>Engine 1.6 DOHC |

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|                 |                     |                 |                     |
|-----------------|---------------------|-----------------|---------------------|
| Nexia           | Nexia 1.5           | 1994-1997       | Engine SOHC         |
|                 | Nexia 1.5 16V       | 1994-1997       | Engine DOHC         |
| Lacetti         | Lacetti 1.4         | 2004-2008       | Engine 1.4 SOHC     |
|                 | Lacetti 1.6         | 2004-2008       | Engine 1.6 DOHC     |
|                 | Lacetti 1.8         | 2004-2008       | Engine 1.8 DOHC     |
| Nubira          | Nubira 1.4          | 2003-2005       | Engine 1.4 SOHC     |
|                 | Nubira 1.6          | 1997-2003       | Engine A16          |
|                 | Nubira 1.6          | 2003-2005       | Engine 1.6 DOHC     |
|                 | Nubira 1.8          | 2003-2005       | Engine 1.8 DOHC     |
|                 | Nubira 2.0          | 1997-2003       | Engine X20          |
| Niva            | Niva 1.7i           | 2003-           | Engine VAZ-2121.4/3 |
|                 | Niva 1.8            | 2006-           | Engine Z18XE        |
| Espero          | Espero 1.5 16V      | 1994-1999       | Engine DOHC         |
|                 | Espero 1.8          | 1994-1999       | Engine              |
|                 | Espero 2.0          | 1994-1999       | Engine              |
| Leganza         | Leganza 2.0         | 1997-2002       | Engine X20          |
| Evanda / Magnus | Evanda / Magnus 2.0 | 2002-2006       | Engine              |
| Evanda / Epica  | Epica 2.0 24V       | 2007-2009       | Engine 2.0 DOHC     |
|                 | Epica 2.0 24V       | 2010-           | Engine 2.0 DOHC     |
|                 | Epica 2.5 24V       | 2007-2009       | Engine 2.5 DOHC     |
|                 | Epica 2.5 24V       | 2010-           | Engine 2.5 DOHC     |
| Chairman        | Chairman 2.3 16V    | CM400 2004-2008 | Engine M161 (E23)   |
|                 | Chairman 2.8 24V    | CM500 2004-2008 | Engine M162 (E28)   |
|                 | Chairman 3.2 24V    | CM600 2004-2008 | Engine M162 (E32)   |
| Chrysler        |                     |                 |                     |
| Neon            | Neon 2.0-16V (SOHC) | 1994-2005       | Engine              |
|                 | Neon 2.0-16V (DOHC) | 1994-1998       | Engine              |
| Saratoga        | Saratoga 2.5        | 1990-1994       | Engine EDM          |
|                 | Saratoga 2.5 turbo  | 1990-1993       | Engine EDT          |
|                 | Saratoga 3.0 V6     | 1990-1992       | Engine EFA          |
| PT Cruiser      | PT Cruiser CRD      | 2002-2006       | Engine CRD/OM 664   |
| Stratus, Cirrus | Stratus 2.0         | 1994-2000       | Engine              |
|                 | Stratus, Cirrus 2.5 | 1994-2000       | Engine              |
| Vision          | Vision 3.3 V6       | 1993-1997       | Engine              |
|                 | Vision 3.5 24V V6   | 1993-1997       |                     |



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|         |                                  |  |
|---------|----------------------------------|--|
|         |                                  | Engine   |
| 300M    | 300M 2.7                         | 1998-2004<br>Engine DOHC                           |
|         | 300M 3.5                         | 1998-2004<br>Engine SOHC                           |
|         | (Grand) Voyager / Town & Country |  |
|         | (Grand) Voyager 2.0i             | 1997-2001<br>Engine<br>Transaxle, manual           |
|         | (Grand) Voyager 2.4i             | 1996-2001<br>Engine<br>Transaxle, manual           |
|         | Voyager 2.5i                     | 1986-1996<br>Engine                                |
|         | Voyager 3.0i                     | 1986-1996<br>Engine                                |
|         | (Grand) Voyager 3.3i             | 1990-1996<br>Engine                                |
|         | (Grand) Voyager 3.3i             | 1996-2000<br>Engine                                |
|         | (Grand) Voyager 3.3i AWD         | 1990-1996<br>Engine                                |
|         | (Grand) Voyager 3.8i AWD         | 1996-2000<br>Engine                                |
|         | Voyager 2.5 TD                   | 1992-1996<br>Engine                                |
|         | Voyager 2.5 TD                   | 1996-2000<br>Engine<br>Transaxle, manual A-558/598 |
|         | Voyager 2.5 CRD                  | 2001-2008<br>Engine CRD                            |
|         | (Grand) Voyager 2.8 CRD          | 2004-2007<br>Engine R2816C5.05A                    |
| Citroën |                                  |  |
|         | 2CV                              |  |
|         | 2CV 6 Spécial                    | 1984-1991<br>Engine A06/635                        |
|         | 2CV 6 Club                       | 1984-1991<br>Engine A06/635                        |
|         | 2CV 6 Charleston                 | 1984-1991<br>Engine A06/635                        |
|         | LNA                              |  |
|         | LNA                              | 1984-1987<br>Engine V06/644                        |
|         | LNA 11                           | 1984-1988<br>Engine/transaxle, manual              |
|         | AX                               |  |
|         | AX 10                            | 1986-1992<br>Engine TU9                            |
|         | AX 10                            | 1992-1997<br>Engine TU9                            |
|         | AX 11                            | 1986-1992<br>Engine TU1                            |
|         | AX 11                            | 1992-1997<br>Engine TU1M/Z                         |
|         | AX 11 4x4                        | 1991-1992<br>Engine TU1K                           |
|         | AX 11 4x4                        | 1992-1996<br>Engine TU1M/Z                         |
|         | AX 14                            | 1986-1992<br>Engine TU3                            |
|         | AX 14                            | 1992-1996<br>Engine TU3FM/Z                        |
|         | AX 14 4x4                        | 1991-1992<br>Engine TU3F2K                         |
|         | AX 14 4x4                        | 1992-1996<br>Engine TU3FM/Z                        |
|         | AX Sport                         | 1986-1991<br>Engine TU2/4                          |
|         | AX GT                            | 1987-1992<br>Engine TU3                            |
|         | AX GTI                           | 1991-1993<br>Engine TU3FJ2/Z                       |
|         | AX GTI                           | 1994-1996<br>Engine TU3FJ2/Z                       |
|         | AX 14 D                          | 1988-1993<br>Engine K9A-TUD 3                      |
|         | AX 14 D                          | 1994-1994<br>Engine K9A-TUD 3                      |
|         | AX 15 D                          | 1994-1996<br>Engine TUD5                           |

|      |                        |           |                      |
|------|------------------------|-----------|----------------------|
| C1   | C1 1.0                 | 2005-2009 | Engine 1KR-FE        |
|      | C1 1.4 HDi             | 2005-2008 | Engine DV4TD         |
| Axel | Axel 11                | 1984-1990 | Engine G11/631       |
|      | Axel 12                | 1984-1990 | Engine T13/653       |
| ZX   | ZX 1.1i                | 1991-1997 | Engine TU1K/M        |
|      | ZX 1.4i                | 1991-1993 | Engine TU3-2/K       |
|      | ZX 1.4i                | 1994-1997 | Engine TU3-2/K       |
|      | ZX 1.4i, with catalyst | 1991-1993 | Engine TU3M/2        |
|      | ZX 1.4i, with catalyst | 1994-1998 | Engine TU3M/2        |
|      | ZX 1.6i                | 1991-1993 | Engine XU5M/K        |
|      | ZX 1.6i                | 1994-1998 | Engine XU5M/K        |
|      | ZX 1.8i                | 1993-1994 | Engine XU7JP/Z       |
|      | ZX 1.8i                | 1994-1998 | Engine XU7JP/Z       |
|      | ZX 1.8i 16V            | 1996-1998 | Engine XU7J4         |
|      | ZX 1.9i                | 1991-1995 | Engine XU9JA/K       |
|      | ZX 2.0i                | 1992-1993 | Engine XU10J2C/Z     |
|      | ZX 2.0i                | 1994-1997 | Engine XU10J2C/Z     |
|      | ZX 2.0i 16V            | 1993-1994 | Engine XU10J4D/Z     |
|      | ZX 2.0i 16V            | 1994-1996 | Engine XU10J4D/Z     |
|      | ZX 1.9 D               | 1992-1993 | Engine XUD9A/9Y      |
|      | ZX 1.9 D               | 1994-1998 | Engine XUD9A/9Y      |
|      | ZX 1.9 TD              | 1993-1994 | Engine XUD9TE/Y      |
|      | ZX 1.9 TD              | 1994-1998 | Engine XUD9TE/Y      |
| C2   | C2 1.1                 | 2003-2009 | Engine TU1JP         |
|      | C2 1.4                 | 2003-2009 | Engine TU3JP         |
|      | C2 1.4 16V             | 2007-2009 | Engine ET3J4         |
|      | C2 1.6 16V (80 kW)     | 2003-2009 | Engine TU5JP4        |
|      | C2 1.6 16V (90 kW)     | 2004-2009 | Engine TU5JP4S (NFS) |
|      | C2 1.4 HDi             | 2003-2008 | Engine DV4TD         |
| Visa | Visa GTi               | 1984-1988 | Engine 180/A         |
|      | Visa 17 D, RD          | 1984-1988 | Engine 161/A         |
| Saxo | Saxo 1.0i              | 1996-1998 | Engine TU9M          |
|      | Saxo 1.0i              | 1999-2000 | Engine TU9M          |
|      | Saxo 1.1i              | 1996-1998 | Engine TU1M+         |
|      | Saxo 1.1i              | 1999-2003 | Engine TU1M+         |
|      | Saxo 1.4i              | 1996-1998 | Engine TU3JP         |
|      | Saxo 1.4i              | 1999-2003 | Engine TU3JP         |
|      | Saxo 1.6i              | 1996-1998 | Engine TU5JP         |

|               |                        |           |                 |
|---------------|------------------------|-----------|-----------------|
|               | Saxo 1.6i              | 1999-2003 | Engine TU5JP    |
|               | Saxo 1.6i 16V          | 1996-1998 | Engine TU5JP4   |
|               | Saxo 1.6i 16V          | 1999-2003 | Engine TU5JP4   |
|               | Saxo 1.5 D             | 1996-1999 | Engine TUD5     |
|               | Saxo 1.5 D             | 1999-2003 | Engine TUD5B    |
| C3 / Pluriel  | C3 1.1                 | 2001-2009 | Engine TU1JP    |
|               | C3 1.4                 | 2001-2009 | Engine TU3JP    |
|               | C3 1.4 16V             | 2004-2009 | Engine ET3J4    |
|               | C3 1.6 16V             | 2001-2009 | Engine TU5JP4   |
|               | C3 1.4 HDi             | 2001-2009 | Engine DV4TD    |
|               | C3 1.4 HDi 16V         | 2001-2009 | Engine DV4TED4  |
|               | C3 1.6 HDi 16V (66 kW) | 2005-2009 | Engine DV6ATED4 |
| Xsara         | Xsara 1.4i             | 1997-1998 | Engine TU3JP    |
|               | Xsara 1.4i             | 1999-2005 | Engine TU3JP    |
|               | Xsara 1.6i             | 1997-1998 | Engine TU5JP    |
|               | Xsara 1.6i             | 1999-2001 | Engine TU5JP    |
|               | Xsara 1.6i 16V         | 2001-2005 | Engine TU5JP4   |
|               | Xsara 1.8i (66 kW)     | 1997-1998 | Engine XU7JB    |
|               | Xsara 1.8i (66 kW)     | 1999-2001 | Engine XU7JB    |
|               | Xsara 1.8i (74 kW)     | 1997-1998 | Engine XU7JP    |
|               | Xsara 1.8i (74 kW)     | 1999-2001 | Engine XU7JP    |
|               | Xsara 1.8i 16V         | 1997-1998 | Engine XU7JP4   |
|               | Xsara 1.8i 16V         | 1999-2001 | Engine XU7JP4   |
|               | Xsara 2.0i 16V         | 1997-1998 | Engine XU10J4R  |
|               | Xsara 2.0i 16V         | 1999-2000 | Engine XU10J4R  |
|               | Xsara 2.0i 16V         | 2001-2005 | Engine EW10J4   |
|               | Xsara 1.4 HDi          | 2002-2005 | Engine DV4TD    |
|               | Xsara 1.5 D            | 1997-2001 | Engine TUD5/L3  |
|               | Xsara 1.9 D            | 1997-1998 | Engine XUD9SD   |
|               | Xsara 1.9 D            | 1999-2005 | Engine DW8      |
|               | Xsara 1.9 TD           | 1997-1998 | Engine XUD9BTF  |
|               | Xsara 1.9 TD           | 1999-2000 | Engine XUD9BTE  |
|               | Xsara 2.0 HDi (66 kW)  | 2000-2005 | Engine DW10TD   |
|               | Xsara 2.0 HDi (80 kW)  | 2000-2005 | Engine DW10ATED |
| Xsara Picasso | Xsara Picasso 1.6i     | 1999-2000 | Engine TU5JP    |
|               | Xsara Picasso 1.6i     | 2001-2005 | Engine TU5JP    |
|               | Xsara Picasso 1.6i 16V | 2005-2009 | Engine TU5JP4   |
|               | Xsara Picasso 1.8i 16V | 1999-1999 | Engine XU7JP4   |
|               | Xsara Picasso 1.8i 16V | 2000-2005 | Engine EW7J4    |
|               | Xsara Picasso 2.0i 16V | 2003-2007 |                 |

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|-----------------------------------|--------------------------|
|                                   | Engine EW10J4            |
| Xsara Picasso 1.6 HDi             | 2004-2009                |
|                                   | Engine DV6TED4           |
| Xsara Picasso 1.6 HDi DPF         | 2006-2009                |
|                                   | Engine DV6TED4           |
| Xsara Picasso 2.0 HDi (66 kW)     | 1999-2000                |
|                                   | Engine DW10TD            |
| Xsara Picasso 2.0 HDi (66 kW)     | 2000-2006                |
|                                   | Engine DW10TD            |
| Xsara Picasso 2.0 HDi (80 kW)     | 2001-2004                |
|                                   | Engine DW10ATED          |
| Xsara Picasso 2.0 HDi DPF (80 kW) | 2001-2004                |
|                                   | Engine DW10ATED          |
| C4                                |                          |
| C4 1.4 16V                        | 2004-2009                |
|                                   | Engine ET3J4             |
| C4 1.6 16V                        | 2004-2008                |
|                                   | Engine TU5JP4            |
| C4 2.0 16V (100 kW) manual        | 2004-2008                |
|                                   | Engine EW10J4            |
| C4 1.6 HDi 16V (66 kW)            | 2004-2007                |
|                                   | Engine DV6TED4           |
| C4 1.6 HDi 16V (80 kW)            | 2004-2005                |
|                                   | Engine DV6TED4           |
| C4 Picasso                        |                          |
| C4 Picasso 1.8i 16V               | 2007-2008                |
|                                   | Engine EW7A (6FY)        |
| Grand C4 Picasso                  |                          |
| Grand C4 Picasso 1.8i 16V         | 2006-2008                |
|                                   | Engine EW7A (6FY)        |
| GSA                               |                          |
| GSA                               | 1984-1987                |
|                                   | Engine G13/646           |
| BX                                |                          |
| BX                                | 1982-1984                |
|                                   | Engine/transaxle, manual |
| BX                                | 1984-1993                |
|                                   | Engine/transaxle, manual |
| BX 14                             | 1982-1984                |
|                                   | Engine/transaxle, manual |
| BX 14                             | 1984-1988                |
|                                   | Engine/transaxle, manual |
| BX 14                             | 1988-1993                |
|                                   | Engine TU3A              |
| BX 16                             | 1982-1984                |
|                                   | Engine 171 A             |
| BX 16                             | 1984-1993                |
|                                   | Engine 171 A             |
| BX 16                             | 1993-1995                |
|                                   | Engine 171 A             |
| BX 19                             | 1984-1993                |
|                                   | Engine 159A              |
| BX 19                             | 1993-1995                |
|                                   | Engine 159A              |
| BX 19 GTi                         | 1986-1992                |
|                                   | Engine XU9               |
| BX 19 GTi 16V                     | 1987-1992                |
|                                   | Engine XU9               |
| BX Sport                          | 1985-1987                |
|                                   | Engine 159B              |
| BX 4x4                            | 1988-1992                |
|                                   | Engine XU92C             |
| BX 18 Diesel                      | 1984-1993                |
|                                   | Engine                   |
| BX 18 Turbo Diesel                | 1989-1993                |
|                                   | Engine                   |
| BX 19 Diesel                      | 1983-1984                |
|                                   | Engine 162 XC            |
| BX 19 Diesel                      | 1984-1989                |
|                                   | Engine 162               |
| BX 19 Diesel                      | 1989-1993                |
|                                   | Engine                   |
| BX 19 Diesel                      | 1993-1995                |
|                                   | Engine                   |
| Xantia                            |                          |
| Xantia 1.6i                       | 1993-1994                |
|                                   | Engine BFZ               |
| Xantia 1.6i                       | 1995-1998                |
|                                   | Engine XU5JP/Z           |
| Xantia 1.8i                       | 1993-1994                |
|                                   | Engine XU7JP             |
| Xantia 1.8i                       | 1995-1998                |

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|                      | Engine XU7JP/Z        |
| Xantia 1.8i          | 1998-1999             |
|                      | Engine XU7JB          |
| Xantia 1.8i          | 1999-2000             |
|                      | Engine XU7JB          |
| Xantia 1.8i 16V      | 1995-1996             |
|                      | Engine LFY            |
| Xantia 1.8i 16V      | 1996-1998             |
|                      | Engine XU7JP4         |
| Xantia 1.8i 16V      | 1998-1999             |
|                      | Engine XU7JP4         |
| Xantia 1.8i 16V      | 1999-2001             |
|                      | Engine XU7JP4         |
| Xantia 2.0i          | 1993-1994             |
|                      | Engine XU10J2C        |
| Xantia 2.0i          | 1994-1994             |
|                      | Engine XU10J2C/Z      |
| Xantia 2.0i          | 1995-1998             |
|                      | Engine XU10J2 (C/Z)   |
| Xantia 2.0i 16V DOHC | 1993-1994             |
|                      | Engine XU10J4         |
| Xantia 2.0i 16V DOHC | 1995-1996             |
|                      | Engine XU10J4D/Z      |
| Xantia 2.0i 16V      | 1993-1994             |
|                      | Engine XU10J4D/Z      |
| Xantia 2.0i 16V      | 1994-1995             |
|                      | Engine XU10J4R        |
| Xantia 2.0i 16V      | 1995-1996             |
|                      | Engine XU10J4D/Z      |
| Xantia 2.0i Turbo CT | 1996-1998             |
|                      | Engine XU10J2TE       |
| Xantia 2.0i Turbo CT | 1999-2000             |
|                      | Engine XU10J2TE       |
| Xantia V6 24V        | 1997-1998             |
|                      | Engine ES9J4          |
| Xantia V6 24V        | 1999-2000             |
|                      | Engine ES9J4          |
| Xantia 1.9 D         | 1993-1994             |
|                      | Engine XUD9A/L        |
| Xantia 1.9 D         | 1994-1995             |
|                      | Engine XUD9A/L        |
| Xantia 1.9 D         | 1996-1996             |
|                      | Engine XUD9A/L        |
| Xantia 1.9 SD        | 1996-1998             |
|                      | Engine XUD9SD         |
| Xantia 1.9 SD        | 1999-2000             |
|                      | Engine XUD9SD         |
| Xantia 1.9 Turbo D   | 1993-1994             |
|                      | Engine XUD9TF/L       |
| Xantia 1.9 Turbo D   | 1995-1996             |
|                      | Engine XUD9TF/L       |
| Xantia 1.9 Turbo D   | 1996-1998             |
|                      | Engine XUD9BTF        |
| Xantia 1.9 Turbo D   | 1999-2000             |
|                      | Engine XUD9BTF        |
| Xantia 2.0 HDi 90    | 1999-2001             |
|                      | Engine DW10TD         |
| Xantia 2.0 HDi 110   | 1999-2001             |
|                      | Engine DW10ATED       |
| Xantia 2.1 TD 12V    | 1995-1998             |
|                      | Engine XUD11BTE / P8C |
| C5                   |                       |
| C5 1.8 16V           | 2000-2005             |
|                      | Engine EW7J4/6FZ      |
| C5 1.8i 16V          | 2005-2009             |
|                      | Engine EW7A (6FY)     |
| C5 2.0 16V           | 2000-2004             |
|                      | Engine EW10J4         |
| C5 2.0 HPI           | 2001-2002             |
|                      | Engine EW10D/RLZ      |
| C5 3.0 V6 24V        | 2000-2008             |
|                      | Engine ES9J4S/XFX     |
| C5 2.0 HDi (66 kW)   | 2000-2005             |
|                      | Engine DW10TD         |
| C5 2.0 HDi (80 kW)   | 2000-2005             |
|                      | Engine DW10ATED       |
| C5 2.2 HDi 16V       | 2000-2005             |
|                      | Engine DW12TED4/4HX   |
| CX                   |                       |
| CX 20                | 1984-1985             |
|                      | Engine 829-A5         |
| CX 20                | 1985-1992             |

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|                                  | Engine 829-A5                        |
| CX 22                            | 1985-1992<br>Engine J6TA.500         |
| CX 25                            | 1984-1992<br>Engine M25/659          |
| CX 25                            | 1984-1985<br>Engine                  |
| CX 25 Turbo                      | 1984-1985<br>Engine M25/662          |
| CX 25 Turbo                      | 1985-1990<br>Engine M25/662          |
| CX 25 GTi Turbo                  | 1985-1991<br>Engine M25/662          |
| CX 25 Prestige Turbo             | 1985-1991<br>Engine M25/662          |
| CX 25 Diesel                     | 1984-1992<br>Engine M25/660          |
| CX 25 Diesel Turbo               | 1983-1984<br>Engine M25/648          |
| CX 25 Diesel Turbo               | 1984-1987<br>Engine M25/648          |
| CX 25 Diesel Turbo 2             | 1987-1990<br>Engine M25/669          |
| XM                               |                                      |
| XM 2.0                           | 1989-1991<br>Engine XU10M (R2A)      |
| XM 2.0i                          | 1989-1993<br>Engine XU10J2 (R6A)     |
| XM 2.0i                          | 1994-1995<br>Engine XU10J2 (R6A)     |
| XM 2.0i 16V                      | 1995-2001<br>Engine XU10J4R          |
| XM 2.0i Turbo                    | 1992-1993<br>Engine XU10J2TE/Z (R6Y) |
| XM 2.0i Turbo CT                 | 1994-2001<br>Engine XU10J2TE         |
| XM V6-24 2.9                     | 1997-2001<br>Engine ES9J4            |
| XM V6 3.0                        | 1989-1993<br>Engine ZPJ (SFZ)        |
| XM V6 3.0                        | 1994-1997<br>Engine ZPJ (SFZ)        |
| XM V6-24 3.0                     | 1989-1994<br>Engine ZPJ4             |
| XM V6-24 3.0                     | 1994-1997<br>Engine ZPJ4             |
| XM 2.1 D                         | 1989-1996<br>Engine XUD11A           |
| XM 2.1 Turbo D                   | 1989-2001<br>Engine XUD11ATE(BTE)    |
| XM 2.5 Turbo D                   | 1995-2001<br>Engine DK5ATE           |
| C6                               |                                      |
| C6 3.0i V6 24V                   | 2006-2009<br>Engine ES9A (XFV)       |
| Evasion / Synergie               |                                      |
| Evasion / Synergie 1.8i          | 1998-1999<br>Engine XU7JP            |
| Evasion / Synergie 1.8i          | 1999-2000<br>Engine XU7JP            |
| Evasion / Synergie 2.0i          | 1994-1995<br>Engine XU10J2C          |
| Evasion / Synergie 2.0i          | 1996-1997<br>Engine XU10J2C          |
| Evasion / Synergie 2.0i          | 1998-1998<br>Engine XU10J2C          |
| Evasion / Synergie 2.0i          | 1999-2000<br>Engine XU10J2C          |
| Evasion / Synergie 2.0i 16V      | 2000-2001<br>Engine EW10J4           |
| Evasion / Synergie 2.0i 16V      | 2001-2002<br>Engine EW10J4           |
| Evasion / Synergie 2.0i Turbo CT | 1994-1995<br>Engine XU10J2CTE        |
| Evasion / Synergie 2.0i Turbo CT | 1996-1997<br>Engine XU10J2CTE        |
| Evasion / Synergie 2.0i Turbo CT | 1998-1999<br>Engine XU10J2CTE        |
| Evasion / Synergie 2.0i Turbo CT | 1999-2000<br>Engine XU10J2CTE        |
| Evasion / Synergie 1.9 TD        | 1995-2000<br>Engine XUD9TF           |

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|                              | Evasion / Synergie 2.1 TD 1996-1999<br>Engine XUD11 / P8C                        |
|                              | Evasion / Synergie 2.0 HDi 1999-2000<br>Engine DW10ATED                          |
|                              | Evasion / Synergie 2.0 HDi 16V 2000-2002<br>Engine DW10ATED4 (RHW)               |
| C8                           | C8 2.0i 16V 2002-2009<br>Engine EW10J4   |
|                              | C8 2.2i 16V 2002-2006<br>Engine EW12J4 (3FZ)                                     |
|                              | C8 3.0i V6 24V 2002-2006<br>Engine XFW   |
|                              | C8 2.0 HDi 16V DPF 2002-2006<br>Engine DW10ATED4 (RHW)                           |
|                              | C8 2.2 HDi 16V DPF 2002-2006<br>Engine DW12TED4/4HW                              |
| Nemo Multispace              | Nemo Multispace 1.4i 2007-2009<br>Engine TU3                                     |
|                              | Nemo Multispace 1.4 HDi 2007-2009<br>Engine DV4TED                               |
| Berlingo Multispace          | Berlingo Multispace 1.1i 1996-1998<br>Engine TU1M+                               |
|                              | Berlingo Multispace 1.1i 1999-2001<br>Engine TU1M+                               |
|                              | Berlingo Multispace 1.4i 1996-1999<br>Engine TU3JP                               |
|                              | Berlingo Multispace 1.4i 1999-2008<br>Engine TU3JP                               |
|                              | Berlingo Multispace 1.4i CNG 2005-2008<br>Engine TU3JP                           |
|                              | Berlingo Multispace 1.6i 16V 2001-2008<br>Engine TU5JP4                          |
|                              | Berlingo Multispace 1.8i 1998-1999<br>Engine XU7JB                               |
|                              | Berlingo Multispace 1.8i 1999-2000<br>Engine XU7JB                               |
|                              | Berlingo Multispace 1.6 HDi (55 kW) 2005-2008<br>Engine DV6BTED4                 |
|                              | Berlingo Multispace 1.6 HDi (66 kW) 2005-2008<br>Engine DV6ATED4                 |
|                              | Berlingo Multispace 1.8 D 1996-1998<br>Engine XUD7                               |
|                              | Berlingo Multispace 1.9 D 1996-1998<br>Engine XUD9A                              |
|                              | Berlingo Multispace 1.9 D 1999-2005<br>Engine DW8                                |
|                              | Berlingo Multispace 2.0 HDi 1998-2005<br>Engine DW10TD                           |
| Jumpy- / Dispatch Multispace | Jumpy- / Dispatch Multispace 1.6 HDi 2007-2009<br>Engine DV6UTED4 (9HU)          |
|                              | Jumpy- / Dispatch Multispace 2.0 HDi (88 kW) 2007-2009<br>Engine DW10UTED4 (RHK) |
|                              | Jumpy- / Dispatch Multispace 2.0 HDi DPF (103 kW) 2007-2009<br>Engine DW10BTED4  |
| Jumper- / Relay Combi        | Jumper- / Relay Combi 2.2 HDi (74 kW) 2007-2009<br>Engine P22DTE (4HV/4HU)       |
|                              | Jumper- / Relay Combi 2.2 HDi (88 kW) 2007-2009<br>Engine P22DTE (4HV/4HU)       |
| Dacia                        |  |
| Supernova                    | Supernova 1.4 2000-2003<br>Engine E7J  |
| Solenza                      | Solenza 1.4 2003-2005<br>Engine E7J  |
|                              | Solenza 1.6 2003-2005<br>Engine K7M  |
|                              | Solenza 1.9 D 2003-2005<br>Engine F8Q  |
| Sandero                      | Sandero 1.0 16V 2009-2012<br>Engine D4D  |
|                              | Sandero 1.2 16V 2009-2012<br>Engine D4F  |
|                              | Sandero 1.4 2008-2012<br>Engine K7J  |
|                              | Sandero 1.6 2008-2012  |

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|                | Engine K7M                               |
|                | Sandero 1.6 16V 2008-2012                |
|                | Engine K4M                               |
| Logan          |  |
|                | Logan 1.0 16V 2004-2012                  |
|                | Engine D4D                               |
|                | Logan 1.2 16V 2004-2012                  |
|                | Engine D4F                               |
|                | Logan 1.4 2004-2012                      |
|                | Engine K7J                               |
|                | Logan 1.6 2004-2012                      |
|                | Engine K7M                               |
|                | Logan 1.6 16V 2006-2012                  |
|                | Engine K4M                               |
| Duster         |  |
|                | Duster 1.6 2010-                         |
|                | Engine K7M                               |
|                | Duster 1.6 16V Hi-Flex 2010-             |
|                | Engine K4M Hi-Flex                       |
|                | Duster 1.6 16V Hi-Torque 2010-           |
|                | Engine K7M Hi-Torque                     |
| Lodgy          |  |
|                | Lodgy 1.2 TCe 115 2012-                  |
|                | Engine H5F                               |
|                | Lodgy 1.6 MPI 85 2012-                   |
|                | Engine K7M                               |
| Daihatsu       |  |
|                | Cuore / Mira / Charade                   |
|                | Cuore / Mira 1.0 12V 1998-1999           |
|                | Engine EJ-DE                             |
|                | Cuore / Mira 1.0 12V 1999-2001           |
|                | Engine EJ-DE                             |
|                | Cuore / Mira / Charade 1.0 12V 2002-2006 |
|                | Engine EJ-VE                             |
| Move           |  |
|                | Move 1999-2003                           |
|                | Engine EJ-DE                             |
| Gran Move      |  |
|                | Gran Move 1.5 1999-2003                  |
|                | Engine HE-E/EG                           |
|                | Gran Move 1.6 1999-2003                  |
|                | Engine HD-EP                             |
| Sirion         |  |
|                | Sirion 1.0 12V 1998-1999                 |
|                | Engine EJ-DE                             |
|                | Sirion 1.0 12V, 4x4 1999-2005            |
|                | Engine EJ-DE                             |
|                | Sirion 1.3 16V, 4x4 2000-2005            |
|                | Engine K3-VE/2                           |
| Young RV (YRV) |  |
|                | Young RV 1.0 12V 2000-2007               |
|                | Engine EJ-DE                             |
|                | Young RV 1.3 16V 2000-2007               |
|                | Engine K3                                |
| Charade        |  |
|                | Charade 1.3i 16V 1999-2001               |
|                | Engine HC-E                              |
|                | Charade 1.5i 16V 1999-2001               |
|                | Engine HE-E/EG                           |
| Charade        |  |
|                | Charade 1.3 16V VVT-i 2011-              |
|                | Engine 1NR-FE                            |
| Valéra         |  |
|                | Valéra 1.5i 16V 1999-2001                |
|                | Engine HE-E                              |
| Applause       |  |
|                | Applause 1.6i 16V 1997-1999              |
|                | Engine HD-E                              |
|                | Applause 1.6i 16V 1999-2001              |
|                | Engine HD-E                              |
| Terios         |  |
|                | Terios 1.3i 16V 1997-2001                |
|                | Engine HC-EJ                             |
|                | Terios 1.3i 16V 2001-2006                |
|                | Engine K3-VE                             |
|                | Terios 1.3 16V 4x4 2006-2007             |
|                | Engine K3-VE                             |
|                | Terios 1.5 16V 4x2 2006-2011             |
|                | Engine 3SZ-VE                            |
|                | Terios 1.5 16V 4x4 2006-2011             |
|                | Engine 3SZ-VE                            |
| Daimler        |  |



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|         |                  |  |
|---------|------------------|--|
|         | Six / Double Six | Six 1995-1998<br>Engine                          |
|         |                  | Double Six 1995-1997<br>Engine                   |
|         | V8               | 4.0 V8 1998-2002<br>Engine                       |
|         |                  | 4.0 V8 Compressor 1998-2002<br>Engine            |
| DR      | DR5              | DR5 1.6 2007-<br>Engine SQR481F                  |
|         |                  | DR5 1.8 2007-<br>Engine SQR481FC                 |
|         |                  | DR5 2.0 2007-<br>Engine SQR484F                  |
| Ferrari | Mondial          | Mondial 3.2 1985-1989<br>Engine                  |
|         | 348              | 348 1989-1993<br>Engine F119D040                 |
|         | Testarossa       | Testarossa 1984-1991<br>Engine F113B000          |
|         | 512 TR, F512 M   | 512 TR 1992-1994<br>Engine                       |
|         |                  | F512 M 1994-1996<br>Engine                       |
|         | 412              | 412 1985-1989<br>Engine                          |
|         | F40              | F40 1987-1992<br>Engine F120A000                 |
| Fiat    | Doblò            | Doblò 1.2 2000-2005<br>Engine 223A5000           |
|         |                  | Doblò 1.4 2005-2009<br>Engine 350A1000           |
|         |                  | Doblò 1.6 16V 2002-2005<br>Engine 182B6000       |
|         |                  | Doblò 1.6 16V 2005-2009<br>Engine 182B6000       |
|         | Uno              | Uno 45 1983-1986<br>Engine 146A000               |
|         |                  | Uno 45 1986-1990<br>Engine 156A2.000             |
|         |                  | Uno 45 0.9 1990-1994<br>Engine 46A048            |
|         |                  | Uno 45 1.0 1990-1993<br>Engine 156A2.000         |
|         |                  | Uno 45S 1983-1986<br>Engine 146A000              |
|         |                  | Uno 45S (Fire) 1986-1990<br>Engine 156A2.000     |
|         |                  | Uno 45S, SX 1990-1992<br>Engine 156A2.000        |
|         |                  | Uno 45 ES 1983-1986<br>Engine 146A1.000          |
|         |                  | Uno 55, S 1983-1989<br>Engine 138B.000           |
|         |                  | Uno 60 1986-1989<br>Engine 146A4.000/048         |
|         |                  | Uno 60S 1986-1990<br>Engine 146A4.044            |
|         |                  | Uno 60S, SX 1990-1993<br>Engine 160A3.000        |
|         |                  | Uno 70S 1983-1986<br>Engine 138B2.000            |
|         |                  | Uno 70S 1986-1989<br>Engine 149A7.000            |
|         |                  | Uno 70SX 1990-1995<br>Engine 146A8000            |
|         |                  | Uno Turbo i.e. 1986-1990<br>Engine 146A2.000/046 |

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
|                       | Uno Turbo i.e.                         | 1990-1994          |  |
|                       |  | Engine 146A8000    |  |
|                       | Uno Selecta                            | 1987-1990          |  |
|                       |  | Engine 146A4048    |  |
|                       | Uno Selecta                            | 1990-1991          |  |
|                       |  | Engine 146A4048    |  |
|                       | Uno Selecta i.e.                       | 1990-1995          |  |
|                       |  | Engine 146C1.000   |  |
| 600                   |  |                    |  |
|                       | 600 1.1                                | 2005-2007          |  |
|                       |  | Engine 187A1000    |  |
| Cinquecento           |  |                    |  |
|                       | Cinquecento 700                        | 1992-1998          |  |
|                       |  | Engine 170A.046    |  |
|                       | Cinquecento 900                        | 1992-1998          |  |
|                       |  | Engine 170A1046    |  |
|                       | Cinquecento 1100 (Sporting)            | 1994-1998          |  |
|                       |  | Engine 176B2000    |  |
| Seicento              |  |                    |  |
|                       | Seicento 900                           | 1998-2005          |  |
|                       |  | Engine             |  |
|                       | Seicento 1100                          | 1998-2005          |  |
|                       |  | Engine 176B2000    |  |
| Panda                 |  |                    |  |
|                       | Panda 30                               | 1980-1986          |  |
|                       |  | Engine 146A000     |  |
|                       | Panda 34                               | 1980-1986          |  |
|                       |  | Engine 100GL6.200  |  |
|                       | Panda 45                               | 1980-1986          |  |
|                       |  | Engine 146A000     |  |
|                       | Panda 750                              | 1986-1996          |  |
|                       |  | Engine 156A4.000   |  |
|                       | Panda 900                              | 1992-2003          |  |
|                       |  | Engine 1170 A1.046 |  |
|                       | Panda 1000                             | 1986-1992          |  |
|                       |  | Engine 156A2.000   |  |
|                       | Panda 1000                             | 1992-1997          |  |
|                       |  | Engine 156A2.246   |  |
|                       | Panda 4x4                              | 1983-1986          |  |
|                       |  | Engine A112B1.054  |  |
|                       | Panda 1000 4x4                         | 1986-1992          |  |
|                       |  | Engine 156A3.000   |  |
|                       | Panda 1100 4x4                         | 1992-2003          |  |
|                       |  | Engine 156C.046    |  |
|                       | Panda 1000 Selecta                     | 1991-1993          |  |
|                       |  | Engine 156A2.000   |  |
|                       | Panda 1100 Selecta                     | 1992-2003          |  |
|                       |  | Engine 156C.046    |  |
|                       | Panda Diesel                           | 1987-1990          |  |
|                       |  | Engine 156A5.000   |  |
| Panda                 |  |                    |  |
|                       | Panda 1.1 (40 kW)                      | 2003-2010          |  |
|                       |  | Engine 187A1000    |  |
|                       | Panda 1.2 (44 kW)                      | 2003-2010          |  |
|                       |  | Engine 188A4000    |  |
|                       | Panda 1.4 16V 100HP                    | 2006-2011          |  |
|                       |  | Engine 169A3000    |  |
| Palio / Albea / Siena |  |                    |  |
|                       | Palio / Albea / Siena, Weekend 1.2     | 1996-2010          |  |
|                       |  | Engine 178A2000    |  |
|                       | Palio / Albea / Siena, Weekend 1.4     | 1996-2010          |  |
|                       |  | Engine             |  |
|                       | Palio / Albea / Siena, Weekend 1.6 16V | 1996-2010          |  |
|                       |  | Engine 178B3000    |  |
|                       | Palio / Albea / Siena, Weekend 1.7 TD  | 1996-2010          |  |
|                       |  | Engine 176A3000    |  |
| Idea                  |  |                    |  |
|                       | Idea 1.2 16V                           | 2003-2005          |  |
|                       |  | Engine 188A5000    |  |
|                       | Idea 1.4                               | 2003-2005          |  |
|                       |  | Engine 350A1000    |  |
|                       | Idea 1.4 16V                           | 2003-2005          |  |
|                       |  | Engine 843A1000    |  |
|                       | Idea 1.9 JTD                           | 2003-2005          |  |
|                       |  | Engine 188B2000    |  |
| Punto                 |  |                    |  |
|                       | Punto 55                               | 1993-1999          |  |
|                       |  | Engine 176A6000    |  |
|                       | Punto 60                               | 1993-1999          |  |
|                       |  | Engine 176A7000    |  |
|                       | Punto 75                               | 1993-1999          |  |
|                       |  | Engine 176A8000    |  |

|                |                              |           |                     |
|----------------|------------------------------|-----------|---------------------|
|                | Punto 85 16V                 | 1997-1999 | Engine 176B9000     |
|                | Punto 90                     | 1993-1997 | Engine 176A9000     |
|                | Punto GT                     | 1993-1999 | Engine 176A4000     |
|                | Punto Cabrio S               | 1994-1999 | Engine 176A7000     |
|                | Punto Cabrio ELX             | 1994-1999 | Engine 176A9000     |
|                | Punto D                      | 1993-1997 | Engine 176B3000     |
|                | Punto TD                     | 1993-1997 | Engine 176A5000     |
|                | Punto TD 60                  | 1997-1999 | Engine 176B7000     |
|                | Punto TD 70                  | 1997-1999 | Engine 176A3000     |
| Punto          | Punto 1.2 8V                 | 1999-2003 | Engine 188A4000     |
|                | Punto 1.2 8V                 | 2003-2010 | Engine 188A4000     |
|                | Punto 1.2 16V                | 1999-2006 | Engine 188A5000     |
|                | Punto 1.4 16V                | 2003-2006 | Engine              |
|                | Punto 1.8 16V                | 1999-2006 | Engine 183A1000     |
|                | Punto 1.9 D                  | 1999-2003 | Engine 188A3000     |
|                | Punto 1.9 JTD                | 1999-2003 | Engine 188A2000     |
|                | Punto 1.9 Multijet           | 2003-2006 | Engine 188B2000     |
| Barchetta      | Barchetta                    | 1995-2005 | Engine 183A1000     |
| Duna           | Duna 60, Weekend 60          | 1986-1992 | Engine 146A6.000    |
|                | Duna 70, Weekend 70          | 1987-1992 | Engine 146A5.000    |
| Ritmo / Strada | Ritmo / Strada Abarth 125 TC | 1983-1987 | Engine 138AR1.000 B |
|                | Ritmo / Strada Abarth 130 TC | 1983-1987 | Engine 138AR2.000 B |
| Tipo           | Tipo 1.1                     | 1988-1993 | Engine 160A3.000    |
|                | Tipo 1.4                     | 1988-1993 | Engine 160A1.000    |
|                | Tipo 1.4                     | 1993-1995 | Engine 160A1.046    |
|                | Tipo 1.6                     | 1988-1991 | Engine 160A2.000    |
|                | Tipo 1.6 i.e.                | 1993-1995 | Engine 835C1000     |
|                | Tipo 1.6 Selecta             | 1993-1995 | Engine 159A3.048    |
|                | Tipo 1.8 i.e.                | 1991-1993 | Engine 159A4.000    |
|                | Tipo 1.8 i.e.                | 1993-1995 | Engine 835C2000     |
|                | Tipo 1.8 16V                 | 1990-1992 | Engine 159A2.000    |
|                | Tipo 2.0 i.e.                | 1991-1995 | Engine 159A6.046    |
|                | Tipo 2.0 16V                 | 1991-1995 | Engine 160A8.046    |
| Bravo / Brava  | Bravo 1.2 16V                | 1998-2001 | Engine 182B2000     |
|                | Brava 1.2 16V                | 1998-2001 | Engine 182B2000     |
|                | Bravo 1.4 12V                | 1995-1999 | Engine 182A3000     |
|                | Brava 1.4 12V                | 1995-1999 | Engine 182A3000     |
|                | Bravo 1.6 16V                | 1995-2001 | Engine 182A4000     |

|        |                            |                  |
|--------|----------------------------|------------------|
|        | Brava 1.6 16V              | 1995-2003        |
|        |                            | Engine 182A4000  |
|        | Bravo 1.8 16V              | 1995-2001        |
|        |                            | Engine 182A2000  |
|        | Brava 1.8 16V              | 1995-2003        |
|        |                            | Engine 182A2000  |
|        | Bravo 2.0 20V              | 1995-1998        |
|        |                            | Engine 182A1000  |
|        | Bravo 2.0 20V              | 1998-2001        |
|        |                            | Engine 182B3000  |
|        | Bravo 1.9 D                | 1995-1999        |
|        |                            | Engine 160A7.000 |
|        | Brava 1.9 D                | 1995-1999        |
|        |                            | Engine 160A7.000 |
|        | Bravo TD 75                | 1995-2001        |
|        |                            | Engine 182A8000  |
|        | Brava TD 75                | 1995-2001        |
|        |                            | Engine 182A8000  |
|        | Bravo TD 100               | 1995-1999        |
|        |                            | Engine 182A7000  |
|        | Brava TD 100               | 1995-1999        |
|        |                            | Engine 182A7000  |
|        | Bravo 1.9 JTD              | 1998-2001        |
|        |                            | Engine 182B4000  |
|        | Brava 1.9 JTD              | 1998-2001        |
|        |                            | Engine 182B4000  |
| Stilo  | Stilo 1.2 16V              | 2001-2005        |
|        |                            | Engine 188A5000  |
|        | Stilo 1.4 16V              | 2003-2007        |
|        |                            | Engine 843A1000  |
|        | Stilo 1.6 16V              | 2001-2008        |
|        |                            | Engine 182B6000  |
|        | Stilo 1.8 16V              | 2001-2007        |
|        |                            | Engine 192A4000  |
|        | Stilo 2.4 20V              | 2001-2007        |
|        |                            | Engine 192A2000  |
|        | Stilo 1.9 JTD (59 kW)      | 2001-2005        |
|        |                            | Engine 192A3000  |
|        | Stilo 1.9 JTD (74, 85 kW)  | 2001-2005        |
|        |                            | Engine           |
|        | Stilo 1.9 Multijet         | 2005-2008        |
|        |                            | Engine           |
|        | Stilo 1.9 Multijet DPF     | 2005-2008        |
|        |                            | Engine           |
|        | Stilo 1.9 JTD 16V          | 2004-2005        |
|        |                            | Engine 192A5000  |
|        | Stilo 1.9 Multijet 16V     | 2005-2007        |
|        |                            | Engine 192A5000  |
|        | Stilo 1.9 Multijet 16V DPF | 2005-2007        |
|        |                            | Engine 192A5000  |
| Regata | Regata 70-70S              | 1983-1990        |
|        |                            | Engine 138B2.000 |
|        | Regata 70-70S Automatic    | 1983-1990        |
|        |                            | Engine 138B3.028 |
|        | Regata E.S.                | 1983-1990        |
|        |                            | Engine 138A3.000 |
|        | Regata 75-75S              | 1983-1990        |
|        |                            | Engine 149A3.000 |
|        | Regata 85-85S 1500         | 1983-1990        |
|        |                            | Engine 138B3.000 |
|        | Regata 85-85S 1600         | 1983-1990        |
|        |                            | Engine 149A.000  |
|        | Regata 100S                | 1983-1990        |
|        |                            | Engine 149A2.000 |
| Tempra | Tempra 1.4                 | 1990-1992        |
|        |                            | Engine 159A2.000 |
|        | Tempra 1.6                 | 1990-1992        |
|        |                            | Engine 159A3.000 |
|        | Tempra 1.6 i.e.            | 1990-1992        |
|        |                            | Engine 159A3.046 |
|        | Tempra 1.8 i.e.            | 1990-1992        |
|        |                            | Engine 159A4.000 |
|        | Tempra 2.0 i.e.            | 1990-1995        |
|        |                            | Engine 159A6.046 |
|        | Tempra 2.0 S.W. 4x4        | 1992-1995        |
|        |                            | Engine 159A6.046 |
| Marea  | Marea 1.2 16V              | 1999-2003        |
|        |                            | Engine 182B2000  |

|          |                             |           |                  |
|----------|-----------------------------|-----------|------------------|
|          | Marea 1.4 12V               | 1996-1999 | Engine 183A3000  |
|          | Marea 1.6 16V               | 1996-2003 | Engine 182A4000  |
|          | Marea 1.8 16V               | 1996-2003 | Engine 182A2000  |
|          | Marea 2.0 20V               | 1996-2000 | Engine 182A1000  |
|          | Marea 2.0 20V               | 2000-2003 | Engine 182A1000  |
|          | Marea 1.9 TD 75             | 1996-2003 | Engine 182A8000  |
|          | Marea 1.9 TD 100            | 1996-1999 | Engine 182A7000  |
|          | Marea 1.9 JTD               | 1999-2003 | Engine 182B4000  |
|          | Marea 2.4 TD 125            | 1996-1999 | Engine 185A2000  |
|          | Marea 2.4 JTD               | 1999-2003 | Engine 185A6000  |
| Argenta  | Argenta 100                 | 1983-1985 | Engine 132D.000  |
|          | Argenta 110                 | 1983-1985 | Engine 132D1.000 |
|          | Argenta 120 i.e.            | 1983-1985 | Engine 132C3.000 |
| Croma    | Croma 1.6                   | 1986-1990 | Engine 154.048   |
|          | Croma 2.0 CHT               | 1986-1990 | Engine 154A1.000 |
|          | Croma 2.0 CHT               | 1990-1992 | Engine 154C5.000 |
|          | Croma 2.0 i.e.              | 1986-1991 | Engine 834B.000  |
|          | Croma 2.0 i.e.              | 1991-1992 | Engine 154C3.000 |
|          | Croma 2.0 i.e.              | 1992-1997 | Engine 834B.146  |
|          | Croma 2.0 i.e. 16V          | 1992-1997 | Engine 154E1.000 |
|          | Croma 2.0 Turbo i.e.        | 1986-1991 | Engine 154A2.000 |
|          | Croma 2.0 Turbo i.e.        | 1991-1992 | Engine 154C4.000 |
|          | Croma 2.0 Turbo i.e.        | 1992-1997 | Engine 154C4.046 |
|          | Croma 2.5 V6                | 1993-1997 | Engine 834G000   |
|          | Croma 2.0 Turbo Diesel i.d. | 1992-1997 | Engine 154D1.000 |
|          | Croma 2.5 Turbo Diesel      | 1992-1997 | Engine 8144.97Y  |
| Coupé    | Coupé 1.8 16V               | 1996-2000 | Engine 183A1000  |
|          | Coupé 2.0 16V               | 1994-1996 | Engine 836A3000  |
|          | Coupé 2.0 20V               | 1996-2000 | Engine 182A1000  |
|          | Coupé 2.0 turbo 16V         | 1994-1996 | Engine 175A1000  |
|          | Coupé 2.0 20V Turbo         | 1996-2000 | Engine 175A3000  |
| Multipla | Multipla 1.6 16V            | 1998-2001 | Engine 182A4000  |
|          | Multipla 1.6 16V            | 2001-2007 | Engine 182B6000  |
|          | Multipla 1.9 JTD            | 1998-2000 | Engine 182B4000  |
|          | Multipla 1.9 JTD            | 2001-2004 | Engine 182A6000  |
|          | Multipla 1.9 JTD            | 2004-2007 | Engine 182A8000  |
| Ulysse   | Ulysse 1.8i                 | 1997-1999 | Engine           |
|          | Ulysse 2.0i                 | 1994-2000 | Engine RFU       |
|          | Ulysse 2.0i 16V             | 1999-2000 |                  |

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|         |                              |                        |
|---------|------------------------------|------------------------|
|         |                              | Engine RFV             |
|         | Ulysse 2.0i 16V              | 2000-2001              |
|         |                              | Engine RFN             |
|         | Ulysse 2.0i Turbo            | 1994-1999              |
|         |                              | Engine RGX             |
|         | Ulysse 1.9 TD                | 1994-2001              |
|         |                              | Engine D8B             |
|         | Ulysse 2.1 TD                | 1997-2001              |
|         |                              | Engine P8C             |
|         | Ulysse 2.0 JTD               | 1999-2001              |
|         |                              | Engine DW10ATED/L3     |
|         | Ulysse 2.0 JTD 16V           | 2000-2001              |
|         |                              | Engine RHW             |
|         | Ulysse                       |                        |
|         | Ulysse 2.0i 16V              | 2002-2005              |
|         |                              | Engine RFN             |
|         | Ulysse 3.0 V6 24V            | 2002-2005              |
|         |                              | Engine XFW             |
|         | Ulysse 2.0 JTD 16V (80 kW)   | 2002-2005              |
|         |                              | Engine RHW 2.0 JTD 16V |
|         | Ulysse 2.2 JTD 16V (94 kW)   | 2002-2005              |
|         |                              | Engine 4HW             |
| Ford EU |                              |                        |
|         | Fiesta                       |                        |
|         | Fiesta 1.0                   | 1983-1987              |
|         |                              | Engine OHV, T..        |
|         | Fiesta 1.0                   | 1987-1989              |
|         |                              | Engine OHV, T..        |
|         | Fiesta 1.1                   | 1983-1987              |
|         |                              | Engine OHV, G..        |
|         | Fiesta 1.1                   | 1987-1989              |
|         |                              | Engine OHV, G..        |
|         | Fiesta 1.3                   | 1983-1987              |
|         |                              | Engine OHV/CVH, J..    |
|         | Fiesta 1.4                   | 1984-1989              |
|         |                              | Engine CVH, F..        |
|         | Fiesta 1.6 XR2               | 1983-1989              |
|         |                              | Engine CVH, L..        |
|         | Fiesta 1.6 Diesel            | 1984-1989              |
|         |                              | Engine CVH, LTB        |
|         | Fiesta                       |                        |
|         | Fiesta 1.0                   | 1989-1992              |
|         |                              | Engine OHV, TLB        |
|         | Fiesta 1.0                   | 1992-1995              |
|         |                              | Engine OHV, TLB        |
|         | Fiesta 1.1                   | 1989-1992              |
|         |                              | Engine HCS             |
|         | Fiesta 1.1                   | 1992-1995              |
|         |                              | Engine HCS             |
|         | Fiesta 1.1i Classic          | 1996-1997              |
|         |                              | Engine HCS, G..        |
|         | Fiesta 1.3                   | 1989-1992              |
|         |                              | Engine HCS, J..        |
|         | Fiesta 1.3i                  | 1992-1995              |
|         |                              | Engine HCS, J..        |
|         | Fiesta 1.3i Classic          | 1996-1997              |
|         |                              | Engine HCS, J..        |
|         | Fiesta 1.4                   | 1989-1992              |
|         |                              | Engine PTE, F4A        |
|         | Fiesta 1.4                   | 1992-1995              |
|         |                              | Engine PTE, F4A        |
|         | Fiesta 1.6 S                 | 1989-1992              |
|         |                              | Engine CVH, L..        |
|         | Fiesta 1.6 XR2i              | 1989-1992              |
|         |                              | Engine CVH, L..        |
|         | Fiesta 1.6i                  | 1994-1995              |
|         |                              | Engine Zetec, L..      |
|         | Fiesta 1.6i Turbo            | 1990-1992              |
|         |                              | Engine CVH, L..        |
|         | Fiesta 1.8 S (UK: XR2i)      | 1992-1995              |
|         |                              | Engine Zetec, R..      |
|         | Fiesta 1.8 XR2i (UK: RS1800) | 1992-1995              |
|         |                              | Engine Zetec, R..      |
|         | Fiesta 1.8 Diesel            | 1989-1995              |
|         |                              | Engine R..             |
|         | Fiesta 1.8 D Classic         | 1996-1997              |
|         |                              | Engine R..             |
| Escort  |                              |                        |
|         | Escort 1.1                   | 1980-1986              |
|         |                              | Engine OHV, G..        |
|         | Escort 1.1                   | 1986-1989              |
|         |                              | Engine OHV, G..        |

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|                         |           |                         |
|-------------------------|-----------|-------------------------|
| Escort 1.1              | 1989-1991 | Engine OHV, G..         |
| Escort 1.1              | 1991-1993 | Engine OHV, G..         |
| Escort 1.3              | 1980-1986 | Engine CVH, J..         |
| Escort 1.3              | 1986-1989 | Engine OHV, J..         |
| Escort 1.3              | 1990-1991 | Engine HCS, J..         |
| Escort 1.3              | 1992-1993 | Engine HCS/Endura-E,J.. |
| Escort 1.3i             | 1994-1998 | Engine HCS/Endura-E,J.. |
| Escort 1.4              | 1986-1989 | Engine CVH, F..         |
| Escort 1.4              | 1989-1991 | Engine CVH, F..         |
| Escort 1.4              | 1992-1993 | Engine CVH, F..         |
| Escort 1.4              | 1994-1998 | Engine PTE, F..         |
| Escort 1.6              | 1980-1986 | Engine CVH, L..         |
| Escort 1.6              | 1986-1989 | Engine CVH, L..         |
| Escort 1.6              | 1989-1993 | Engine CVH, L..         |
| Escort 1.6i Convertible | 1980-1990 | Engine CVH              |
| Escort 1.6i 16V         | 1993-1998 | Engine Zetec            |
| Escort 1.6 XR3          | 1980-1983 | Engine CVH              |
| Escort 1.6 XR3i         | 1983-1989 | Engine CVH              |
| Escort 1.6 XR3i         | 1989-1991 | Engine CVH              |
| Escort RS 1600i         | 1980-1984 | Engine CVH, L..         |
| Escort RS Turbo         | 1986-1990 | Engine CVH              |
| Escort 1.8i 16V         | 1992-1996 | Engine Zetec            |
| Escort 1.8i 16V         | 1996-1998 | Engine Zetec E          |
| Escort 1.8 XR3i         | 1992-1996 | Engine Zetec, R..       |
| Escort RS 2000i         | 1992-1996 | Engine N7A (DOHC)       |
| Escort RS 2000i 4x4     | 1992-1996 | Engine N7A (DOHC)       |
| Escort 1.6 Diesel       | 1984-1990 | Engine LTA              |
| Escort 1.8 Diesel       | 1988-1998 | Engine RT (OHC)         |
| Escort 1.8 Turbo Diesel | 1993-1999 | Engine RF               |
| Orion                   |           |                         |
| Orion 1.3               | 1983-1985 | Engine CVH, J..         |
| Orion 1.3               | 1986-1989 | Engine OHV, J..         |
| Orion 1.3               | 1990-1991 | Engine HCS, J..         |
| Orion 1.3               | 1991-1993 | Engine HCS, J..         |
| Orion 1.4               | 1986-1989 | Engine OHV, F..         |
| Orion 1.4               | 1990-1991 | Engine CVH, F..         |
| Orion 1.4               | 1991-1993 | Engine CVH, F..         |
| Orion 1.6               | 1983-1989 | Engine CVH, L..         |
| Orion 1.6               | 1990-1998 | Engine CVH, L..         |
| Orion 1.6               | 1991-1993 | Engine CVH, L..         |
| Orion 1.8i 16V          | 1992-1993 | Engine Zetec, R..       |
| Orion 1.6 Diesel        | 1984-1990 |                         |

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|  | Engine L               |
| Orion 1.8 Diesel                         | 1990-1993              |
|  | Engine R..             |
| Sierra / Sapphire                        |                        |
| Sierra / Sapphire 1.3                    | 1982-1985              |
|  | Engine OHC, J..        |
| Sierra / Sapphire 1.6 OHC                | 1982-1987              |
|  | Engine OHC, L..        |
| Sierra / Sapphire 1.6 OHC                | 1987-1990              |
|  | Engine OHC, LS.        |
| Sierra / Sapphire 1.6i CVH               | 1990-1992              |
|  | Engine CVH, L6B        |
| Sierra / Sapphire 1.8 OHC                | 1985-1988              |
|  | Engine OHC, RE.        |
| Sierra / Sapphire 1.8 CVH                | 1987-1989              |
|  | Engine CVH, R..        |
| Sierra / Sapphire 1.8 CVH                | 1989-1992              |
|  | Engine CVH, R..        |
| Sierra / Sapphire 2.0                    | 1982-1987              |
|  | Engine OHC, N..        |
| Sierra / Sapphire 2.0 OHC                | 1987-1989              |
|  | Engine OHC, N..        |
| Sierra / Sapphire 2.0 OHC                | 1989-1992              |
|  | Engine OHC, N..        |
| Sierra / Sapphire 2.0 DOHC               | 1990-1992              |
|  | Engine DOHC, N8.       |
| Sierra / Sapphire 2.0i DOHC              | 1990-1992              |
|  | Engine DOHC, N9.       |
| Sierra / Sapphire 2.0i DOHC 4x4 / XR 4x4 | 1990-1992              |
|  | Engine DOHC, N9.       |
| Sierra / Sapphire XR4i 2.0i DOHC         | 1990-1991              |
|  | Engine DOHC, N9.       |
| Sierra / Sapphire 2.0 V6                 | 1983-1984              |
|  | Engine NYT             |
| Sierra / Sapphire 2.3 V6                 | 1982-1984              |
|  | Engine YYT (OHV)       |
| Sierra XR4i 2.8 V6                       | 1982-1985              |
|  | Engine OHV, P..        |
| Sierra XR 4x4i 2.8 V6                    | 1985-1989              |
|  | Engine OHV, P..        |
| Sierra XR 4x4 2.9 V6                     | 1988-1992              |
|  | Engine OHC, B4         |
| Sierra 1.8 Turbo Diesel                  | 1990-1992              |
|  | Engine RF              |
| Sierra 2.3 Diesel                        | 1983-1985              |
|  | Engine Y..             |
| Sierra 2.3 Diesel                        | 1986-1989              |
|  | Engine Y..             |
| Mondeo                                   |                        |
| Mondeo 1.6i 16V                          | 1993-1996              |
|  | Engine Zetec, L..      |
| Mondeo 1.8i 16V                          | 1993-1996              |
|  | Engine Zetec, R..      |
| Mondeo 2.0i 16V                          | 1993-1996              |
|  | Engine Zetec, N..      |
| Mondeo 2.5i 24V V6                       | 1994-1996              |
|  | Engine Duratec-VE, S.. |
| Mondeo 1.8 TD                            | 1993-1996              |
|  | Engine RFM, RFN        |
| Scorpio / Granada                        |                        |
| Scorpio / Granada 1.8                    | 1985-1987              |
|  | Engine OHC, REC        |
| Scorpio / Granada 2.0                    | 1985-1988              |
|  | Engine OHC, N..        |
| Scorpio 2.0 8V DOHC                      | 1995-1999              |
|  | Engine DOHC, N..       |
| Scorpio 2.0 16V DOHC                     | 1995-1999              |
|  | Engine DOHC, N..       |
| Scorpio / Granada 2.0 DOHC               | 1989-1991              |
|  | Engine DOHC, N..       |
| Scorpio / Granada 2.0i DOHC              | 1989-1991              |
|  | Engine DOHC, N..       |
| Scorpio / Granada 2.0i DOHC              | 1992-1994              |
|  | Engine DOHC, N..       |
| Scorpio 2.3 16V                          | 1996-1999              |
|  | Engine Y5A             |
| Scorpio / Granada 2.4i V6                | 1987-1988              |
|  | Engine ARC             |
| Scorpio / Granada 2.4i V6                | 1989-1994              |
|  | Engine ARC             |
| Scorpio / Granada 2.8i V6                | 1985-1986              |
|  | Engine PR.             |



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|                   | Scorpio / Granada 2.8i V6 4x4 1986-1987<br>Engine PR.                  |
|                   | Scorpio / Granada 2.9i V6 1989-1991<br>Engine BR.                      |
|                   | Scorpio / Granada 2.9i V6 1992-1994<br>Engine BR.                      |
|                   | Scorpio / Granada 2.9i V6 4x4 1987-1989<br>Engine BR.                  |
|                   | Scorpio / Granada 2.9i V6 4x4 1989-1992<br>Engine BR.                  |
|                   | Scorpio 2.9i V6 1995-1996<br>Engine BR.                                |
|                   | Scorpio 2.9i V6 24V 1995-1999<br>Engine BO                             |
|                   | Scorpio / Granada 2.5 Diesel 1986-1989<br>Engine STR (Peugeot XD3)     |
|                   | Scorpio / Granada 2.5 Turbo Diesel 1989-1994<br>Engine SF Peugeot XD3T |
| Galaxy            | Galaxy 2.0i 1995-2000<br>Engine DOHC, NSE                              |
|                   | Galaxy 2.3i 1996-2000<br>Engine Y5B                                    |
|                   | Galaxy 2.8i VR6, 4x4 1995-2000<br>Engine AAA                           |
| Galaxy            | Galaxy 2.0i 2000-2006<br>Engine DOHC, NSE                              |
|                   | Galaxy 2.8i CD V6 2000-2006<br>Engine CD-V6-24V                        |
| Maverick / Escape | Maverick 2.4i 12V 1993-1999<br>Engine OHC, KA24 Nissan                 |
|                   | Maverick 2.7 TD 1993-1999<br>Engine TD 27 Nissan                       |
| Ford USA          | Probe  |
|                   | Probe 2.0 16V 1992-1997<br>Engine                                      |
|                   | Probe 2.5 24V V6 1992-1997<br>Engine                                   |
|                   | Windstar   |
|                   | Windstar 3.0 V6 1994-1998<br>Engine                                    |
| GAZ               | Siber  |
|                   | Siber 2.0 16V 2008-2010<br>Engine                                      |
| Honda             | Logo   |
|                   | Logo 1.3 1999-2002<br>Engine   |
|                   | Jazz/Fit   |
|                   | Jazz/Fit 1.2i 2002-2005<br>Engine L12A1/L12A3                          |
|                   | Jazz/Fit 1.2i 2006-2008<br>Engine L12A1/L12A3                          |
|                   | Jazz/Fit 1.3i 2002-2005<br>Engine L13A1/L13A2                          |
|                   | Jazz/Fit 1.3i 2006-2008<br>Engine L13A                                 |
|                   | Jazz/Fit 1.4i 2002-2005<br>Engine L13A1/L13A2                          |
|                   | Jazz/Fit 1.4i 2006-2008<br>Engine L13A                                 |
|                   | Jazz/Fit 1.5 i-VTEC 2003-2005<br>Engine L15A1                          |
|                   | Jazz/Fit 1.5 i-VTEC 2006-2008<br>Engine L15A1                          |
|                   | Jazz/Fit   |
|                   | Jazz/Fit 1.2 i-VTEC 2008-2011<br>Engine L12B1/L12B2                    |
|                   | Jazz/Fit 1.4 i-VTEC 2008-2011<br>Engine L13Z1/L13Z2                    |
|                   | Jazz/Fit 1.5 i-VTEC 2008-2011<br>Engine L15A7                          |
|                   | Civic  |
|                   | Civic 1.2 1990-1991<br>Engine 2V                                       |
|                   | Civic 1.3 1987-1992<br>Engine  |
|                   | Civic 1.3 1992-1995  |

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|                      | Engine D13B2                  |
|                      | Transaxle, manual S 20        |
| Civic 1.4            | 1990-1991                     |
|                      | Engine                        |
| Civic 1.4i           | 1993-1995                     |
|                      | Engine D14A2                  |
|                      | Transaxle, manual S 20        |
| Civic 1.4i           | 1995-2000                     |
|                      | Engine D14A2                  |
| Civic 1.4i S         | 1995-2000                     |
|                      | Engine D14A5                  |
| Civic 1.4i           | 2001-2005                     |
|                      | Engine D13B V-TEC II          |
| Civic 1.5            | 1987-1992                     |
|                      | Engine                        |
| Civic 1.5i           | 1987-1992                     |
|                      | Engine                        |
| Civic 1.5i           | 1992-1995                     |
|                      | Engine D15B2                  |
|                      | Transaxle, manual S 20        |
| Civic Coupé 1.5i     | 1994-1996                     |
|                      | Engine D15B7                  |
|                      | Transaxle, manual S 20        |
| Civic 1.5 VEi        | 1992-1995                     |
|                      | Engine D15Z1                  |
|                      | Transaxle, manual S 20        |
| Civic 1.5 VEi 5-door | 1992-1995                     |
|                      | Engine D15Z3                  |
|                      | Transaxle, manual S 20        |
| Civic 1.5i VTEC-E    | 1995-2000                     |
|                      | Engine D15Z3                  |
| Civic 1.6i SOHC      | 1989-1991                     |
|                      | Engine SOHC                   |
| Civic 1.6i SOHC 4WD  | 1989-1991                     |
|                      | Engine SOHC                   |
| Civic 1.6i DOHC      | 1989-1991                     |
|                      | Engine D16A8                  |
| Civic 1.6i DOHC 4WD  | 1989-1991                     |
|                      | Engine D16A8                  |
| Civic 1.6i 5-door    | 1994-1996                     |
|                      | Engine D16Y3                  |
|                      | Transaxle, manual S 20        |
| Civic 1.6 ESi        | 1992-1995                     |
|                      | Engine D16Z6                  |
|                      | Transaxle, manual S 20        |
| Civic 1.6 ESi 4WD    | 1992-1995                     |
|                      | Engine D16Z7                  |
|                      | Transaxle, manual/transferbox |
| Civic 1.6 ESi 5-door | 1992-1995                     |
|                      | Engine D16Y2                  |
|                      | Transaxle, manual S 20        |
| Civic Coupé 1.6 ESi  | 1994-1996                     |
|                      | Engine D16Z9                  |
|                      | Transaxle, manual S 20        |
| Civic 1.6i ES        | 1995-2001                     |
|                      | Engine D16Y2                  |
| Civic 1.6i ES 5-door | 1995-2001                     |
|                      | Engine D16Y3                  |
| Civic 1.6i           | 2001-2005                     |
|                      | Engine D16V1                  |
| Civic 1.6i VTEC      | 1989-1991                     |
|                      | Engine B16A1                  |
| Civic 1.6 VTi        | 1992-1995                     |
|                      | Engine B16A2                  |
|                      | Transaxle, manual Y 21 (S21)  |
| Civic 1.6 VTi        | 1995-2001                     |
|                      | Engine                        |
| Civic Coupé 1.7i     | 2001-2005                     |
|                      | Engine 1.7 SOHC               |
| Civic 1.8 VTi        | 1998-2000                     |
|                      | Engine B18C4                  |
| Civic 2.0i (118 kW)  | 2003-2006                     |
|                      | Engine K20A3                  |
| Civic 2.0i Type R    | 2001-2005                     |
|                      | Engine K20A2                  |
| Civic                |                               |
|                      | Civic 1.4i DSi 2005-2008      |
|                      | Engine L13A7                  |
|                      | Civic 1.4i-VTEC 2008-         |
|                      | Engine L13Z1/L13Z2            |
|                      | Civic 1.8i-VTEC 2005-2008     |
|                      | Engine R18A2                  |

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|----------------|------------------------|--|
|                | Civic 1.8i-VTEC        | 2008-<br>Engine R18A2                    |
|                | Civic 2.0i-VTEC Type R | 2007-2008<br>Engine K20Z4                |
|                | Civic 2.0i-VTEC Type R | 2008-<br>Engine K20Z4                    |
|                | Civic 2.2i-CDTi        | 2005-2008<br>Engine N22A2                |
|                | Civic 2.2i-CDTi        | 2008-<br>Engine N22A2                    |
| Civic Hybrid   | Civic Hybrid           | 2005-2007<br>Engine LDA2                 |
|                | Civic Hybrid           | 2007-2011<br>Engine LDA2                 |
| Insight Hybrid | Insight Hybrid         | 2009-2011<br>Engine LDA3                 |
| FR-V           | FR-V 1.7i              | 2004-2007<br>Engine D17A                 |
|                | FR-V 1.8i              | 2007-2010<br>Engine R18A1                |
|                | FR-V 2.0i              | 2004-2007<br>Engine K20A9                |
|                | FR-V 2.2i-CTDi         | 2005-2010<br>Engine N22A1                |
| Stream         | Stream 1.7 VTEC        | 2002-2006<br>Engine D17A                 |
|                | Stream 2.0i-VTEC       | 2002-2006<br>Engine K20A1/K20A5          |
| Integra        | Integra Type R DC2     | 1997-2002<br>Engine B18C6                |
| Concerto       | Concerto 1.4           | 1990-1992<br>Engine                      |
|                | Concerto 1.5i          | 1992-1994<br>Engine                      |
|                | Concerto 1.6           | 1990-1992<br>Engine                      |
|                | Concerto 1.6i          | 1992-1994<br>Engine                      |
|                | Concerto 1.6i DOHC     | 1992-1994<br>Engine                      |
| Accord         | Accord 1.6i            | 1998-2002<br>Engine                      |
|                | Accord 1.8             | 1990-1996<br>Engine                      |
|                | Accord 1.8i            | 1996-1998<br>Engine F18A3                |
|                | Accord 1.8i            | 1998-2002<br>Engine                      |
|                | Accord 2.0             | 1990-1996<br>Engine                      |
|                | Accord 2.0i            | 1990-1996<br>Engine                      |
|                | Accord Coupé 2.0i      | 1993-1996<br>Engine<br>Transaxle, manual |
|                | Accord 2.0i            | 1996-1998<br>Engine F20Z1                |
|                | Accord 2.0i            | 1998-2002<br>Engine                      |
|                | Accord 2.0i            | 2003-2005<br>Engine K20A6                |
|                | Accord 2.0i            | 2005-2008<br>Engine K20Z2                |
|                | Accord 2.2i            | 1990-1996<br>Engine                      |
|                | Accord Coupé 2.2i      | 1993-1996<br>Engine<br>Transaxle, manual |
|                | Accord 2.2i VTEC       | 1996-1998<br>Engine F22Z2                |
|                | Accord 2.2i Type R     | 1998-2002<br>Engine                      |
|                | Accord 2.4i            | 2003-2008<br>Engine K24A3                |
|                | Accord 2.0i TD         | 1996-1998                                |

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|                     | Engine               |
| Accord 2.0i TD      | 1998-2002            |
|                     | Engine               |
| Accord 2.2i-CTDi    | 2003-2008            |
|                     | Engine N22A1         |
| Accord              |                      |
| Accord 2.0i         | 2008-2012            |
|                     | Engine R20A3         |
| Accord 2.4i         | 2008-2012            |
|                     | Engine K24Z3         |
| Legend              |                      |
| Legend 2.7i 24V     | 1988-1990            |
|                     | Engine               |
| Legend 3.2i V6      | 1990-1996            |
|                     | Transmission, manual |
| Legend 3.5i V6      | 1996-2005            |
|                     | Engine               |
| Legend              |                      |
| Legend 3.5 V6       | 2005-2008            |
|                     | Engine J35A8         |
| Legend 3.7 V6       | 2008-                |
|                     | Engine J37A2/J37A3   |
| HR-V                |                      |
| HR-V 1.6i 2WD       | 1998-2006            |
|                     | Engine D16W1/D16W2   |
| HR-V 1.6i 4WD       | 1998-2006            |
|                     | Engine D16W1/D16W2   |
| HR-V 1.6i 4WD VTEC  | 2001-2006            |
|                     | Engine D16W5         |
| CR-V                |                      |
| CR-V 2.0i 4WD       | 1995-2002            |
|                     | Engine               |
| CR-V 2.0i-VTEC 4WD  | 2002-2007            |
|                     | Engine K20A4/K20A5   |
| CR-V 2.4i-VTEC 2WD  | 2002-2007            |
|                     | Engine K24A1         |
| CR-V 2.4i-VTEC 4WD  | 2002-2007            |
|                     | Engine K24A1         |
| CR-V 2.2i-CTDi 4WD  | 2004-2007            |
|                     | Engine N22A2         |
| CR-V                |                      |
| CR-V 2.0i-VTEC 2WD  | 2007-2011            |
|                     | Engine R20A1/R20A2   |
| CR-V 2.0i-VTEC 4WD  | 2007-2011            |
|                     | Engine R20A1/R20A2   |
| CR-V 2.4i-VTEC 2WD  | 2007-2011            |
|                     | Engine K24Z1/K24Z2   |
| CR-V 2.4i-VTEC 4WD  | 2007-2011            |
|                     | Engine K24Z1/K24Z2   |
| CR-V 2.2i-CTDi 4WD  | 2007-2010            |
|                     | Engine N22A2         |
| Shuttle             |                      |
| Civic Shuttle 1.4   | 1989-1991            |
|                     | Engine               |
| Civic Shuttle 1.5   | 1989-1991            |
|                     | Engine               |
| Civic Shuttle 1.5i  | 1989-1991            |
|                     | Engine               |
| Civic Shuttle 1.6i  | 1989-1991            |
|                     | Engine               |
| Shuttle 2.2i        | 1994-1998            |
|                     | Engine F22B          |
| Shuttle 2.3i        | 1998-2001            |
|                     | Engine F23A          |
| CRX                 |                      |
| Civic CRX 1.4       | 1989-1992            |
|                     | Engine               |
| Civic CRX 1.6i SOHC | 1989-1992            |
|                     | Engine               |
| Civic CRX 1.6i DOHC | 1989-1992            |
|                     | Engine               |
| Civic CRX 1.6i VTEC | 1989-1992            |
|                     | Engine               |
| CRX 1.6 ESi         | 1992-1998            |
|                     | Engine D16Z6         |
|                     | Transaxle, manual    |
| CRX 1.6 VTi         | 1992-1997            |
|                     | Engine B16A2         |
|                     | Transaxle, manual    |
| Prelude             |                      |
| Prelude 2.0         | 1988-1991            |
|                     | Engine               |

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|-----------|--------------|---------------------------|-----------|------------------------------------|
|           |              | Prelude 2.0i              | 1992-1996 | Engine F20A4<br>Transaxle, manual  |
|           |              | Prelude 2.0i 16V DOHC     | 1988-1991 | Engine                             |
|           |              | Prelude 2.0i              | 1996-2001 | Engine F20A4                       |
|           |              | Prelude 2.2i              | 1992-1996 | Engine F22A<br>Transaxle, manual   |
|           |              | Prelude 2.2i              | 1996-2001 | Engine F22Z5                       |
|           |              | Prelude 2.2i VTEC         | 1992-1996 | Engine H22A<br>Transaxle, manual   |
|           |              | Prelude 2.2 VTi           | 1996-2001 | Engine H22A4                       |
|           |              | Prelude 2.3i              | 1992-1996 | Engine H23A2<br>Transaxle, manual  |
| Honda USA |              |                           |           |                                    |
|           | Passport     |                           |           |                                    |
|           |              | Passport 2.6              | 1993-1997 | Engine                             |
|           |              | Passport 3.2 V6           | 1993-1997 | Transmission, manual MUA<br>Engine |
|           |              | Passport 3.2 V6           | 1998-2002 | Engine<br>Transmission, manual MUA |
|           | S2000        |                           |           |                                    |
|           |              | S2000 AP1                 | 1999-2003 | Engine F20C1                       |
| Hyundai   |              |                           |           |                                    |
|           | Atos / Amica |                           |           |                                    |
|           |              | Atos / Amica 1.0i         | 1997-2002 | Engine Epsilon                     |
|           |              | Atos / Amica 1.1i         | 2003-2005 | Engine                             |
|           | i10          |                           |           |                                    |
|           |              | i10 1.0 D-CVVT            | 2011-     | Engine Kappa                       |
|           |              | i10 1.1i                  | 2008-     | Engine G4HG (Epsilon)              |
|           |              | i10 1.1i LPG              | 2012-     | Engine G4HG (Epsilon)              |
|           |              | i10 1.2i                  | 2010-     | Engine Kappa                       |
|           |              | i10 1.25i                 | 2008-2010 | Engine G4LA                        |
|           |              | i10 1.25i                 | 2010-     | Engine Kappa                       |
|           |              | i10 1.1 CRDi              | 2008-2010 | Engine D4FA                        |
|           | Getz         |                           |           |                                    |
|           |              | Getz 1.1i                 | 2002-2005 | Engine                             |
|           |              | Getz 1.1i                 | 2005-2009 | Engine G4HG (Epsilon)              |
|           |              | Getz 1.3i                 | 2002-2005 | Engine                             |
|           |              | Getz 1.6i                 | 2002-2005 | Engine                             |
|           |              | Getz 1.6i                 | 2005-2009 | Engine G4GR                        |
|           |              | Getz 1.5 CRDi 12V         | 2002-2005 | Engine D3EA                        |
|           |              | Getz 1.5 CRDi VGT (65 kW) | 2005-2009 | Engine D4FA-L                      |
|           |              | Getz 1.5 CRDi VGT (82 kW) | 2005-2009 | Engine D4FA                        |
|           | i20          |                           |           |                                    |
|           |              | i20 1.2i                  | 2008-2010 | Engine G4LA                        |
|           |              | i20 1.4i                  | 2008-2010 | Engine G4FA                        |
|           |              | i20 1.6i                  | 2008-2010 | Engine G4FC                        |
|           |              | i20 1.4 CRDi              | 2008-2012 | Engine D4FC                        |
|           |              | i20 1.6 CRDi              | 2008-2010 | Engine D4FB                        |

|                                |  |
|--------------------------------|--|
| ix20                           | ix20 1.4 CRDi 2010-<br>Engine (U-series)                               |
| Accent / Pony / Excel          | Pony / Excel 1.3 1992-1994<br>Engine                                   |
|                                | Accent / Pony / Excel 1.3 1995-1998<br>Engine                          |
|                                | Accent / Pony / Excel 1.3 1999-2003<br>Engine G4EH                     |
|                                | Accent / Excel 1.3i 2003-2006<br>Engine                                |
|                                | Accent 1.4i MC 2006-2009<br>Engine G4EE                                |
|                                | Pony / Excel 1.5i 1992-1994<br>Engine                                  |
|                                | Accent / Pony / Excel 1.5i 1995-1998<br>Engine                         |
|                                | Accent / Pony / Excel 1.5i 1999-1999<br>Engine G4EK/G4EB               |
|                                | Accent / Pony / Excel 1.5i 16V 1999-2002<br>Engine G4FK                |
|                                | Accent / Pony / Excel 1.6i 16V 1999-2002<br>Engine G4ED                |
|                                | Accent / Excel 1.6i 2003-2006<br>Engine G4ED                           |
|                                | Accent 1.6i MC 2006-2009<br>Engine G4ED                                |
|                                | Accent 1.5 CRDi MC 2006-2009<br>Engine D4FA                            |
| Accent / i25 / Solaris / Verna | Accent / i25 / Solaris / Verna 1.6 CRDi VGT 2012-<br>Engine (U-series) |
| i30                            | i30 1.6 CRDi VGT (66 kW) 2007-2012<br>Engine D4FB                      |
|                                | i30 1.6 CRDi VGT (85 kW) 2007-2012<br>Engine D4FB                      |
|                                | i30 1.6 CRDi VGT (94 kW) 2007-2012<br>Engine D4FB                      |
|                                | i30 2.0 CRDi VGT 2007-2010<br>Engine D4EA                              |
| i30                            | i30 1.4 CRDi 2012-<br>Engine (U-series)                                |
|                                | i30 1.6 CRDi 2012-<br>Engine (U-series)                                |
| Lantra / Elantra / Avante      | Lantra / Elantra / Avante 1.5i 1992-1995<br>Engine Alpha               |
|                                | Lantra / Elantra / Avante 1.5i 1995-2000<br>Engine Alpha               |
|                                | Lantra / Elantra / Avante 1.6i 1992-1995<br>Engine Beta                |
|                                | Lantra / Elantra / Avante 1.6i 1995-2000<br>Engine Beta                |
|                                | Elantra / Avante 1.6i 2001-2003<br>Engine                              |
|                                | Elantra / Avante 1.6i 2003-2006<br>Engine                              |
|                                | Elantra / Avante 1.6 CVVT HD 2006-2010<br>Engine Gamma                 |
|                                | Lantra / Elantra / Avante 1.8i 1992-1995<br>Engine Beta                |
|                                | Lantra / Elantra / Avante 1.8i 1995-2000<br>Engine Beta                |
|                                | Elantra / Avante 1.8i 2001-2003<br>Engine G4GB                         |
|                                | Elantra / Avante 1.8i 2003-2006<br>Engine G4GB                         |
|                                | Lantra / Elantra / Avante 2.0i 1995-2000<br>Engine Beta                |
|                                | Elantra / Avante 2.0i 2001-2003<br>Engine G4GC                         |
|                                | Elantra / Avante 2.0i 2003-2006<br>Engine G4GC                         |
|                                | Elantra / Avante 2.0 HD 2006-2010<br>Engine Beta II                    |
|                                | Elantra / Avante 2.0 CRDi 2003-2006<br>Engine D4EA                     |
| Tucson                         | Tucson 2.0i CVVT 2WD 2004-2009   |

|                                |                 |
|--------------------------------|-----------------|
|                                | Engine G4GC     |
| Tucson 2.0i CVVT 4WD           | 2004-2008       |
|                                | Engine G4GC     |
| Tucson 2.7i V6 4WD             | 2004-2009       |
|                                | Engine G6BA     |
| Tucson 2.0 CRDi 2WD            | 2004-2008       |
|                                | Engine D4EA     |
| Tucson 2.0 CRDi 4WD            | 2004-2008       |
|                                | Engine D4EA     |
| Tucson 2.0 CRDi VGT 2WD        | 2005-2009       |
|                                | Engine D4EA     |
| Tucson 2.0 CRDi VGT 4WD        | 2005-2008       |
|                                | Engine D4EA     |
| Elantra / Avante / i35         |                 |
| Elantra / Avante / i35 1.6 MPI | 2010-           |
|                                | Engine Gamma    |
| Elantra / Avante / i35 1.8 MPI | 2010-           |
|                                | Engine Nu       |
| Matrix                         |                 |
| Matrix 1.6i                    | 2001-2008       |
|                                | Engine Alpha II |
| Matrix 1.6i                    | 2008-2010       |
|                                | Engine G4ED     |
| Matrix 1.8i                    | 2001-2008       |
|                                | Engine Beta II  |
| Matrix 1.5 CRDi VGT (75 kW)    | 2004-2008       |
|                                | Engine D4FA     |
| Matrix 1.5 CRDi VGT (81 kW)    | 2004-2008       |
|                                | Engine D4FA     |
| i40                            |                 |
| i40 1.7 CRDi (85 kW)           | 2011-           |
|                                | Engine          |
| i40 1.7 CRDi (100 kW)          | 2011-           |
|                                | Engine          |
| Terracan                       |                 |
| Terracan 3.5i V6               | 2001-2007       |
|                                | Engine          |
| Trajet                         |                 |
| Trajet 2.0i                    | 2000-2004       |
|                                | Engine          |
| Trajet 2.7i V6                 | 2000-2008       |
|                                | Engine          |
| Trajet 2.0 CRDi                | 2002-2007       |
|                                | Engine D4EA     |
| XG                             |                 |
| XG 2.5i V6                     | 1999-2005       |
|                                | Engine          |
| XG 3.0i V6                     | 1999-2005       |
|                                | Engine G6AT     |
| XG 3.5i V6                     | 1999-2005       |
|                                | Engine G6BU     |
| Sonata                         |                 |
| Sonata 1.8i                    | 1992-1994       |
|                                | Engine          |
| Sonata 2.0i                    | 1992-1994       |
|                                | Engine          |
| Sonata 2.0i 16V                | 1991-1994       |
|                                | Engine          |
| Sonata 3.0i V6                 | 1992-1994       |
|                                | Engine          |
| Sonata                         |                 |
| Sonata 1.8i                    | 1994-1998       |
|                                | Engine          |
| Sonata 2.0i                    | 1994-1998       |
|                                | Engine          |
| Sonata 2.0i 16V                | 1994-1998       |
|                                | Engine          |
| Sonata 3.0i V6                 | 1994-1998       |
|                                | Engine          |
| Sonata                         |                 |
| Sonata 2.0i 16V                | 1998-2005       |
|                                | Engine          |
| Sonata 2.4i 16V                | 1998-2005       |
|                                | Engine G4CS     |
| Sonata 2.7i V6                 | 2001-2005       |
|                                | Engine          |
| Sonata                         |                 |
| Sonata 2.4i 16V                | 2005-2010       |
|                                | Engine 2.4 16V  |
| Sonata 3.3i V6                 | 2005-2010       |
|                                | Engine 3.3 V6   |
| Equus / Centennial             |                 |

|                 |   |
|-----------------|---|
|                 | Equus / Centennial 3.8 V6 MPI (216 kW) 2011-<br>Engine Lambda |
|                 | Equus / Centennial 3.8 V6 GDI (248 kW) 2012-<br>Engine Lambda |
|                 | Equus / Centennial 4.6 V8 MPI 2011-<br>Engine Tau             |
|                 | Equus / Centennial 5.0 V8 GDI 2011-<br>Engine Tau             |
| Scoupe          | Scoupe 1.5i 1992-1995<br>Engine                               |
|                 | Scoupe 1.5i Turbo 1992-1995<br>Engine                         |
| Coupe / Tiburon | Coupe 1.6 16V 1996-2001<br>Engine G4GR                        |
|                 | Coupe / Tiburon 1.6 16V 2002-2006<br>Engine                   |
|                 | Coupe / Tiburon 1.6 16V 2006-2008<br>Engine G4ED              |
|                 | Coupe 1.8 16V 1996-2001<br>Engine G4GM                        |
|                 | Coupe 2.0 16V 1996-2001<br>Engine G4GF                        |
|                 | Coupe / Tiburon 2.0 16V 2002-2006<br>Engine G4GF              |
|                 | Coupe / Tiburon 2.0 16V 2006-2008<br>Engine G4GC              |
|                 | Coupe / Tiburon 2.7 V6 2002-2006<br>Engine                    |
| ix35            | ix35 1.7 CRDi 2WD 2010-<br>Engine                             |
|                 | ix35 2.0 CRDi VGT 2WD 2010-<br>Engine                         |
|                 | ix35 2.0 CRDi VGT 4WD 2010-<br>Engine                         |
|                 | ix35 2.0 CRDi VGT HP 2WD 2010-<br>Engine                      |
|                 | ix35 2.0 CRDi VGT HP 4WD 2010-<br>Engine                      |
| Santa Fe        | Santa Fe 2.0i 16V 2000-2006<br>Engine                         |
|                 | Santa Fe 2.4i 16V 2000-2006<br>Engine                         |
|                 | Santa Fe 2.7i V6 24V 4WD 2000-2006<br>Engine                  |
| Santa Fe        | Santa Fe 2.7i V6 2007-2010<br>Engine G6EA                     |
|                 | Santa Fe 2.7i V6 4WD 2007-2010<br>Engine G6EA                 |
|                 | Santa Fe 3.3 V6 2007-2010<br>Engine G6DB                      |
|                 | Santa Fe 3.3 V6 4WD 2007-2010<br>Engine G6DB                  |
|                 | Santa Fe 2.2 CRDi 2007-2010<br>Engine D4EB                    |
|                 | Santa Fe 2.2 CRDi 2010-2012<br>Engine (R-series)              |
|                 | Santa Fe 2.2 CRDi VGT 4WD 2007-2010<br>Engine D4EB            |
| ix55 / Veracruz | ix55 / Veracruz 3.0 CRDi VGT 4x2 2007-<br>Engine              |
|                 | ix55 / Veracruz 3.0 CRDi VGT 4x4 2007-<br>Engine              |
| i800            | i800 2.4 MPI 2007-2009<br>Engine                              |
|                 | i800 2.5 CRDi WGT (85 kW) 2007-2009<br>Engine A2.5            |
|                 | i800 2.5 CRDi WGT (85 kW) 2009-<br>Engine A2.5                |
|                 | i800 2.5 CRDi WGT (100 kW) 2007-2009<br>Engine A2.5           |
|                 | i800 2.5 CRDi WGT (100 kW) 2009-<br>Engine A2.5               |
|                 | i800 2.5 CRDi VGT (125 kW) 2007-2009<br>Engine A2.5           |
|                 | i800 2.5 CRDi VGT (125 kW) 2009-                              |



# Lubricant Report

|             |                     |   |
|-------------|---------------------|---|
|             |                     | Engine A2.5                                       |
| Hyundai USA |                     |   |
|             | Santa Fe            |   |
|             |                     | Santa Fe 2.7 4x2 2007-2007<br>Engine              |
|             |                     | Santa Fe 2.7 4x4 2007-2007<br>Engine              |
|             |                     | Santa Fe 2.7 4x2 2008-2008<br>Engine              |
|             |                     | Santa Fe 2.7 4x4 2008-2008<br>Engine              |
|             |                     | Santa Fe 3.3 4x2 2007-2008<br>Engine              |
|             |                     | Santa Fe 3.3 4x4 2007-2008<br>Engine              |
|             | Tiburon             |   |
|             |                     | Tiburon 1.8 1997-1998<br>Engine                   |
|             |                     | Tiburon 2.0 1997-1997<br>Engine                   |
|             |                     | Tiburon 2.0 1998-1998<br>Engine                   |
|             |                     | Tiburon 2.0 1999-1999<br>Engine                   |
|             |                     | Tiburon 2.0 2000-2000<br>Engine                   |
|             |                     | Tiburon 2.0 2001-2002<br>Engine                   |
|             |                     | Tiburon 2.0 2003-2003<br>Engine                   |
|             |                     | Tiburon 2.0 2004-2004<br>Engine                   |
|             |                     | Tiburon 2.7 2003-2003<br>Engine                   |
|             |                     | Tiburon 2.7 2004-2004<br>Engine                   |
| Infiniti    |                     |   |
|             | G20                 |   |
|             |                     | G20 P11 2000-2000<br>Engine SR20DE                |
|             |                     | G20 P11 2001-2001<br>Engine SR20DE                |
|             |                     | G20 P11 2002-2002<br>Engine SR20DE                |
|             | G35                 |   |
|             |                     | G35 Sedan V35 2003-2003<br>Engine VQ35HR          |
|             |                     | G35 Sedan V35 2004-2004<br>Engine VQ35HR          |
|             |                     | G35 Sedan (206 kW) V35 2005-2006<br>Engine VQ35DE |
|             |                     | G35 Sedan (219 kW) V35 2005-2006<br>Engine VQ35DE |
|             |                     | G35 Coupe V35 2003-2003<br>Engine VQ35HR          |
|             |                     | G35 Coupe V35 2004-2004<br>Engine VQ35HR          |
|             |                     | G35 Coupe (206 kW) V35 2005-2006<br>Engine VQ35DE |
|             |                     | G35 Coupe (219 kW) V35 2005-2006<br>Engine VQ35DE |
|             | G25 / G35 / G37 / G |   |
|             |                     | G35 AWD V36 2007-2008<br>Engine VQ35DE            |
|             | I                   |   |
|             |                     | I30 A32 1996-1996<br>Engine VQ30DE                |
|             |                     | I30 A32 1997-1997<br>Engine VQ30DE                |
|             |                     | I30 A32 1998-1998<br>Engine VQ30DE                |
|             |                     | I30 A32 1999-1999<br>Engine VQ30DE                |
|             |                     | I30 A32 2000-2000<br>Engine VQ30DE                |
|             |                     | I30 A32 2001-2001<br>Engine VQ30DE                |
|             |                     | I35 A33 2002-2003<br>Engine VQ35DE                |
|             |                     | I35 A33 2003-2004<br>Engine VQ35DE                |
|             | M                   |   |

# Lubricant Report

|        |          |                |  |
|--------|----------|----------------|--|
|        | M45      | 2003-2003      | Engine VK45DE  |
|        | M45      | 2004-2005      | Engine VK45DE  |
| M      | M35      | 2005-2006      | Engine VQ35DE  |
|        | M35 AWD  | 2005-2006      | Engine VQ35DE  |
|        | M35      | 2007-2007      | Engine VQ35DE  |
|        | M35 AWD  | 2007-2007      | Engine VQ35DE  |
|        | M35      | 2008-2008      | Engine VQ35DE  |
|        | M35 AWD  | 2008-2008      | Engine VQ35DE  |
|        | M35      | 2009-2010      | Engine VQ35HR  |
|        | M35 AWD  | 2009-2010      | Engine VQ35HR  |
|        | M45      | 2005-2006      | Engine VK45DE  |
| Q45    | Q45      | 1999-2001      | Engine VH41DE  |
|        | Q45      | 2002-2002      | Engine VK45DE  |
|        | Q45      | 2003-2003      | Engine VK45DE  |
|        | Q45      | 2004-2006      | Engine VK45DE  |
| EX     | EX35 J50 | 2008-2009      | Engine VQ35HR  |
|        | EX35 J50 | 2010-2010      | Engine VQ35HR  |
| FX     | FX35 S50 | 2003-2008      | Engine VQ35DE  |
|        | FX45 S50 | 2003-2008      | Engine VK45DE  |
| QX     | QX4 JR50 | 1997-1999      | Engine VG33E   |
|        | QX4 JR50 | 2000-2000      | Engine VG33E   |
|        | QX4 JR50 | 2001-2001      | Engine VQ35DE  |
|        | QX4 JR50 | 2002-2003      | Engine VQ35DE  |
| Isuzu  | Trooper  | Trooper 2.6i   | 1988-1990<br>Engine 4ZE1<br>Transmission, manual<br>Transferbox        |
|        |          | Trooper 2.6i   | 1990-1992<br>Engine 4ZE1<br>Transmission, manual<br>Transferbox        |
|        |          | Trooper 3.2 V6 | 1992-1998<br>Engine 6VD1<br>Transmission, manual MUA5CT<br>Transferbox |
|        |          | Trooper 3.5 V6 | 1998-2004<br>Engine 6VE1<br>Transmission, manual MUA5CT<br>Transferbox |
|        |          | Trooper 2.8 TD | 1988-1990<br>Transmission, manual<br>Transferbox                       |
|        |          | Trooper 2.8 TD | 1990-1992<br>Transmission, manual<br>Transferbox                       |
|        |          | Trooper 3.0 TD | 1998-2004<br>Transmission, manual MUA5CT<br>Transferbox                |
|        |          | Trooper 3.1 TD | 1992-1998<br>Transmission, manual MUA5CT<br>Transferbox                |
| Jaguar |          |                |  |

# Lubricant Report



## XJ6 - XJ12

XJ6 2.9 1986-1989  
Engine AJ-6  
XJ6 2.9 1989-1990  
Engine AJ-6  
XJ6 3.2 1991-1994  
Engine AJ-6  
XJ6 3.2 1995-1997  
Engine AJ-16  
XJ6 3.2 Sport 1995-1997  
Engine AJ-16  
Sovereign 3.2 1995-1997  
Engine AJ-16  
XJ6 3.6 1986-1989  
Engine AJ-6  
XJ6 4.0 1989-1990  
Engine AJ-6  
XJ6 4.0 1991-1994  
Engine AJ-6  
XJ6 4.0 Sport 1995-1997  
Engine AJ-16  
XJR 4.0 SC 1995-1997  
Engine AJ-16  
Sovereign 4.0 1995-1997  
Engine AJ-16  
XJ12 6.0 1995-1997  
Engine  
XJ12 6.0 1993-1994  
Engine

## XJ

XJ8 3.2 1997-2001  
Engine AJ-V8  
XJ8 3.2 2001-2003  
Engine AJ-V8  
XJ8 4.0 1997-2001  
Engine AJ-V8  
XJ8 4.0 2001-2003  
Engine AJ-V8

## XK8

XK8 4.0 1997-2001  
Engine AJ-V8  
XK8 4.0 2001-2003  
Engine AJ-V8

## XJS

XJS 4.0 1991-1994  
Engine AJ-6  
XJS 4.0 1995-1997  
Engine AJ-16  
XJS 6.0 V12 1991-1994  
Engine  
XJS 6.0 V12 1995-1997  
Engine

## Jeep

### Wrangler / CJ-7 / CJ-8

Wrangler 2.5 1987-1993  
Engine (150 ci)  
Wrangler 4.2 1987-1993  
Engine (258 ci)

### Cherokee

Cherokee 2.5 XJ 1987-2000  
Engine (150 ci)  
Cherokee 4.0 XJ 1987-2000  
Engine  
Cherokee 2.5 TD XJ 1995-2001  
Engine

### Grand Cherokee

Grand Cherokee 4.0 ZJ 1992-1998  
Engine  
Grand Cherokee 5.2 V8 ZJ 1992-1998  
Engine  
Grand Cherokee 5.9 V8 ZJ 1998-1999  
Engine  
Grand Cherokee 2.5 TD ZJ 1992-1998  
Engine

### Grand Cherokee

Grand Cherokee 4.0 WJ 1999-2005  
Engine  
Grand Cherokee 3.1 TD WJ 1999-2001  
Engine

### Wagoneer

Wagoneer 2.5L U 1BBL 1983-1985  
Engine

# Lubricant Report



|     |                  |  |
|-----|------------------|--|
|     |                  | Wagoneer 2.5L H EFI 1986-1988<br>Engine                |
|     |                  | Wagoneer 2.8L W 2BBL 1983-1986<br>Engine               |
|     |                  | Wagoneer 4.2L C 2BBL 1980-1982<br>Engine               |
|     |                  | Wagoneer 4.2L C 2BBL 1982-1983<br>Engine               |
|     |                  | Wagoneer 5.9L N 2BBL 1980-1982<br>Engine               |
|     |                  | Wagoneer 5.9L N 2BBL 1982-1983<br>Engine               |
| Kia |                  |  |
|     | Picanto          |  |
|     |                  | Picanto 1.0 2004-2007<br>Engine                        |
|     |                  | Picanto 1.0 2007-<br>Engine                            |
|     |                  | Picanto 1.1 2004-2007<br>Engine G4HG                   |
|     |                  | Picanto 1.1 2007-<br>Engine G4HG                       |
|     |                  | Picanto 1.1 CRDi VGT 2004-2007<br>Engine D3FA          |
|     |                  | Picanto 1.1 CRDi VGT 2007-<br>Engine D3FA              |
|     | Picanto          |  |
|     |                  | Picanto 1.0 CVVT 2011-<br>Engine K1.0                  |
|     |                  | Picanto 1.2 CVVT 2011-<br>Engine K1.25                 |
|     | Rio              |  |
|     |                  | Rio 1.4 2005-2011<br>Engine G4EE                       |
|     |                  | Rio 1.6 CVVT 2005-2011<br>Engine G4ED                  |
|     |                  | Rio 1.5 CRDi VGT 2005-2008<br>Engine D4FA              |
|     | Rio              |  |
|     |                  | Rio 1.4 CVVT 2011-<br>Engine y-1.4                     |
|     |                  | Rio 1.6 CVVT 2011-<br>Engine y-1.6 GDI                 |
|     |                  | Rio 1.1 CRDi 2011-<br>Engine                           |
|     |                  | Rio 1.4 CRDi 2011-<br>Engine                           |
|     | Cerato / Spectra |  |
|     |                  | Cerato / Spectra 1.6 2004-2007<br>Engine G4ED          |
|     |                  | Cerato / Spectra 1.6 2007-2008<br>Engine G4ED          |
|     |                  | Cerato / Spectra 2.0 CVVT 2004-2007<br>Engine G4GC     |
|     |                  | Cerato / Spectra 2.0 CVVT 2007-2008<br>Engine G4GC     |
|     |                  | Cerato / Spectra 1.5 CRDi 2005-2007<br>Engine D4FA     |
|     |                  | Cerato / Spectra 1.6 CRDi VGT 2006-2008<br>Engine D4FB |
|     | Soul             |  |
|     |                  | Soul 1.6 CVVT 2009-2011<br>Engine G4FC                 |
|     |                  | Soul 1.6 GDI 2012-<br>Engine y-1.6 GDI                 |
|     |                  | Soul 2.0 CVVT 2009-2011<br>Engine G4GC                 |
|     |                  | Soul 1.6 CRDi VGT 2009-<br>Engine D4FB                 |
|     | Pride            |  |
|     |                  | Pride 1.3 1995-2000<br>Engine B3                       |
|     | Cee'd            |  |
|     |                  | Cee'd 1.4 CVVT 2007-2012<br>Engine G4FA                |
|     |                  | Cee'd 1.6 CVVT 2007-2012<br>Engine G4FC                |
|     |                  | Cee'd 2.0 CVVT 2007-2012<br>Engine G4GC                |
|     |                  | Cee'd 1.6 CRDi 2009-2012<br>Engine D4FB                |
|     |                  | Cee'd 1.6 CRDi VGT 2007-2012                           |

# Lubricant Report

|                   |  |
|-------------------|--|
|                   | Engine D4FB                            |
|                   | Cee'd 1.6 CRDi (94 kW) 2011-2012       |
|                   | Engine D4FB                            |
|                   | Cee'd 2.0 CRDi VGT 2007-2012           |
|                   | Engine D4EA                            |
| Cee'd             |  |
|                   | Cee'd 1.6 T-GDI 2013-                  |
|                   | Engine C4FJ                            |
|                   | Cee'd 1.6 CRDi 2012-                   |
|                   | Engine                                 |
| Clarus / Credos   |  |
|                   | Clarus / Credos 1.8 1996-2001          |
|                   | Engine T8D                             |
|                   | Clarus / Credos 2.0 1996-2001          |
|                   | Engine TED                             |
| Magentis / Optima |  |
|                   | Magentis / Optima 2.0 2001-2006        |
|                   | Engine G4JP                            |
|                   | Magentis / Optima 2.0 CVVT 2006-2010   |
|                   | Engine G4KA                            |
|                   | Magentis / Optima 2.5 V6 2001-2006     |
|                   | Engine G6BV                            |
|                   | Magentis / Optima 2.7 V6 2006-2010     |
|                   | Engine G6EA                            |
| Optima            |  |
|                   | Optima 2.0 CVVL 2011-                  |
|                   | Engine Nu 2.0 MPI CVVL                 |
|                   | Optima 2.4 MPI 2012-                   |
|                   | Engine Theta II 2.4                    |
|                   | Optima 1.7 CRDi 2011-                  |
|                   | Engine U-1.7                           |
| Opirus / Amanti   |  |
|                   | Opirus / Amanti 3.5 V6 2003-2008       |
|                   | Engine 3.5 V6 24V                      |
| Carens            |  |
|                   | Carens 1.6 2002-2006                   |
|                   | Engine 1.6 DOHC                        |
|                   | Carens 1.8 2002-2004                   |
|                   | Engine 1.8                             |
|                   | Carens 2.0 CVVT 2004-2006              |
|                   | Engine 2.0 CVVT                        |
|                   | Carens 2.0 CRDi 2002-2005              |
|                   | Engine 2.0 CRDi                        |
|                   | Carens 2.0 CRDi VGT 2005-2006          |
|                   | Engine D4EA                            |
| Carens            |  |
|                   | Carens 2.0 CVVT 2006-2012              |
|                   | Engine G4KA                            |
|                   | Carens 2.0 CRDi VGT 2006-2012          |
|                   | Engine D4EA                            |
| Carens / Rondo    |  |
|                   | Carens / Rondo 1.6 GDI 2013-           |
|                   | Engine y-1.6 GDI                       |
|                   | Carens / Rondo 2.0 GDI 2013-           |
|                   | Engine G4KC                            |
|                   | Carens / Rondo 1.7 CRDi (85 kW) 2013-  |
|                   | Engine U-1.7                           |
|                   | Carens / Rondo 1.7 CRDi (100 kW) 2013- |
|                   | Engine U-1.7                           |
| Joice / Carstar   |  |
|                   | Joice / Carstar 2.0 1999-2003          |
|                   | Engine G4CP                            |
| Carnival / Sedona |  |
|                   | Carnival / Sedona 2.5 V6 1999-2002     |
|                   | Engine KV6                             |
|                   | Carnival / Sedona 2.5 V6 2002-2006     |
|                   | Engine KV6                             |
|                   | Carnival / Sedona 3.5 V6 2002-2006     |
|                   | Engine 3.5 V6 24V                      |
|                   | Carnival / Sedona 2.9 HPDi 2002-2006   |
|                   | Engine                                 |
| Carnival / Sedona |  |
|                   | Carnival / Sedona 2.7 V6 2006-         |
|                   | Engine G6EA                            |
|                   | Carnival / Sedona 3.5 V6 2010-         |
|                   | Engine Lambda II 3.5                   |
|                   | Carnival / Sedona 3.8 V6 2006-         |
|                   | Engine 3.8 V6 24V                      |
|                   | Carnival / Sedona 2.9 CRDi VGT 2006-   |
|                   | Engine J3                              |
| Sportage          |  |
|                   | Sportage 2.0 CVVT 2WD 2004-2010        |

# Lubricant Report



|  |                      |
|--|----------------------|
|  | Engine G4GC          |
| Sportage 2.0 CVVT 4WD 2004-2010                      | Engine G4GC          |
| Sportage 2.7 V6 4WD 2004-2010                        | Engine G6BA          |
| Sportage 2.0 CRDi 4WD 2004-2005                      | Engine D4EA          |
| Sportage 2.0 CRDi VGT 2WD 2005-2008                  | Engine D4EA          |
| Sportage 2.0 CRDi VGT 4WD 2005-2008                  | Engine D4EA          |
| Sportage 2.0 CRDi VGT 2WD 2008-2010                  | Engine D4EA          |
| Sportage 2.0 CRDi VGT 4WD 2008-2010                  | Engine D4EA          |
| Sportage   |                      |
| Sportage 1.7 CRDi 2010-                              | Engine U-1.7         |
| Sportage 2.0 CRDi 2010-                              | Engine               |
| Sportage 2.0 CRDi AWD 2010-                          | Engine               |
| Sorento  |                      |
| Sorento 2.4 2002-2006                                | Engine 2.4 DOHC      |
| Sorento 3.3 V6 2006-2009                             | Engine 3.3 V6 24V    |
| Sorento 3.5 V6 2002-2006                             | Engine 3.5 V6 24V    |
| Sorento 2.5 CRDi 2002-2006                           | Engine D4CB          |
| Sorento 2.5 CRDi 2006-2009                           | Engine D4CB          |
| Sorento 2.5 CRDi VGT 2006-2009                       | Engine D4CB VGT      |
| Sorento  |                      |
| Sorento 3.5 V6 2009-                                 | Engine Lambda II 3.5 |
| Sorento 3.5 V6 4WD 2009-                             | Engine Lambda II 3.5 |
| Sorento 2.0 CRDi 2012-                               | Engine R-2.0         |
| Sorento 2.0 CRDi 4WD 2012-                           | Engine R-2.0         |
| Lada (VAZ / Zhiguli)                                 |                      |
| 1111 / 11113 / Oka                                   |                      |
| 1111/ Oka 1987-2008                                  | Engine               |
| 11113 / Oka 1987-2008                                | Engine               |
| 1117 / 1118 / 1119 / Kalina                          |                      |
| 1117 / 1118 / 1119 / Kalina 1.4 16V 2005-            | Engine VAZ-11194     |
| 1117 / 1118 / 1119 / Kalina 1.6 8V 2006-             | Engine VAZ-21114     |
| 1117 / 1118 / 1119 / Kalina 1.6 16V 2009-            | Engine VAZ-21126     |
| 2108 / 2109 / 21099 / Samara                         |                      |
| 2108 / 2109 / 21099 / Samara 1.1 1995-2004           | Engine               |
| 2108 / 2109 / 21099 / Samara 1.3 1995-2004           | Engine               |
| 2108 / 2109 / 21099 / Samara 1.5 1995-2004           | Engine               |
| 2110 / 110 series                                    |                      |
| 110 / 111 / 112 1.5 2110 / 2111 / 2112 1995-1999     | Engine               |
| 110 / 111 / 112 1.5 2110 / 2111 / 2112 2000-2008     | Engine               |
| 110 / 111 / 112 1.5 16V 2110 / 2111 / 2112 1995-1999 | Engine               |
| 110 / 111 / 112 1.5 16V 2110 / 2111 / 2112 2000-2008 | Engine               |
| 2170 / 2171 / 2172 / Priora                          |                      |
| 2170 / 2171/ 2172 / Priora 1.6 16V 2007-             | Engine               |
| 2190 / Granta  |                      |
| Granta 1.6 (60 kW) 2012-                             | Engine VAZ-11183     |
| Granta 1.6 (64 kW) 2012-                             | Engine VAZ-11186     |
| Largus   |                      |

# Lubricant Report

|        |                        |           |                         |
|--------|------------------------|-----------|-------------------------|
|        | Largus 1.6 8V          | 2012-     | Engine K7M              |
|        | Largus 1.6 16V         | 2012-     | Engine K4M              |
|        | 2121 / Niva / 4x4      |           |                         |
|        | 2121 / Niva 4x4        | 1995-1999 | Engine VAZ-2121.4/3     |
|        | 2121 / Niva 4x4        | 1999-2008 | Engine VAZ-2121.4/3     |
|        | 2121 / Niva 4x4 1.7    | 2008-     | Engine VAZ-2121.4/3     |
|        | 2121 / Niva Diesel 4x4 | 1994-1998 | Engine XUD9A            |
| Lancia | A112, Autobianchi A112 |           |                         |
|        | A112 Junior            | 1983-1986 | Engine A112 B2000       |
|        | A112 Elite, LX         | 1983-1986 | Engine A112 B1000       |
|        | A112 Abarth            | 1983-1986 | Engine A112A.2000       |
|        | Y10                    |           |                         |
|        | Y 10 fire              | 1986-1988 | Engine 156A2000         |
|        | Y 10 touring           | 1986-1988 | Engine 156A000          |
|        | Y 10 turbo             | 1986-1988 | Engine 156A1000         |
|        | Ypsilon                |           |                         |
|        | Ypsilon 1.1            | 1997-2000 | Engine 176B2000         |
|        | Ypsilon 1.2            | 1996-2000 | Engine 840A3000         |
|        | Ypsilon 1.2            | 2000-2002 | Engine 188A4000         |
|        | Ypsilon 1.2 16V        | 1997-2000 | Engine 176B9000         |
|        | Ypsilon 1.2 16V        | 2000-2002 | Engine 188A5000         |
|        | Ypsilon 1.4 12V        | 1996-1997 | Engine 840A2000         |
|        | Ypsilon                |           |                         |
|        | Ypsilon 1.2 16V        | 2003-2006 | Engine 188A5000         |
|        | Delta                  |           |                         |
|        | Delta 1300             | 1983-1991 | Engine 831A2000         |
|        | Delta 1500             | 1983-1990 | Engine 831A1000         |
|        | Delta 1600 GT          | 1983-1987 | Engine 831A4000         |
|        | Delta HF Turbo         | 1986-1992 | Engine 831B3000         |
|        | Delta HF 4WD           | 1986-1988 | Engine 831B5000         |
|        | Delta                  |           |                         |
|        | Delta 1.6              | 1993-1996 | Engine 835C1000         |
|        | Delta 1.6 16V          | 1996-2000 | Engine 182A4000         |
|        | Delta 1.8              | 1993-1996 | Engine 835C2000         |
|        | Delta 1.8 16V (83 kW)  | 1996-2000 | Engine 182A2000         |
|        | Delta 1.8 16V (96 kW)  | 1996-2000 | Engine 183A1000         |
|        | Delta 2.0              | 1993-1996 | Engine 836A3000         |
|        | Delta HF               | 1993-1996 | Engine 836A2000         |
|        | Delta 2.0 16V Turbo    | 1996-2000 | Engine                  |
|        | Delta 1.9 TD           | 1993-2000 | Engine 835A4000         |
|        | Prisma                 |           |                         |
|        | Prisma 1300            | 1983-1987 | Engine 831A2000         |
|        | Prisma 1.3             | 1987-1990 | Engine 831B000/2831B000 |
|        | Prisma 1500            | 1983-1987 | Engine 831A1000         |
|        | Prisma 1.5             | 1987-1990 |                         |

|                         |                              |
|-------------------------|------------------------------|
|                         | Engine 831B1000/831B1048     |
| Prisma 1600             | 1983-1987<br>Engine 831A4000 |
| Prisma 1.6              | 1987-1990<br>Engine 831B6000 |
| Prisma 1.6i             | 1987-1990<br>Engine 831B7000 |
| Prisma 2.0 4 WD         | 1987-1990<br>Engine 831B4000 |
| Prisma 1.9 Diesel       | 1984-1987<br>Engine 138B6000 |
| Prisma 1.9 Diesel       | 1987-1990<br>Engine 138D000  |
| Prisma 1.9 Turbo Diesel | 1987-1990<br>Engine 138D1000 |
| <b>Dedra</b>            |                              |
| Dedra 1.6               | 1989-1993<br>Engine 835A1000 |
| Dedra 1.6 i.e.          | 1994-1998<br>Engine 159B9000 |
| Dedra 1.6 16V           | 1998-1999<br>Engine 182A4000 |
| Dedra 1.8 i.e.          | 1989-1996<br>Engine 835A2000 |
| Dedra 1.8 16V (83 kW)   | 1996-1998<br>Engine 182A2000 |
| Dedra 1.8 16V (96 kW)   | 1996-1998<br>Engine 183A1000 |
| Dedra 1.8 16V           | 1998-1999<br>Engine 183A1000 |
| Dedra 2.0 i.e.          | 1989-1994<br>Engine 835A5000 |
| Dedra 2.0 16V           | 1994-1998<br>Engine 836A3000 |
| Dedra 2.0 16V Integrale | 1994-1998<br>Engine 836A3000 |
| Dedra 2.0 turbo         | 1990-1994<br>Engine          |
| Dedra 2.0 integrale     | 1990-1994<br>Engine          |
| Dedra 2.0 automatic     | 1994-1998<br>Engine 835A5046 |
| Dedra 1.9 Turbo DS      | 1989-1999<br>Engine 835A4000 |
| <b>Kappa</b>            |                              |
| Kappa 2.0               | 1994-1998<br>Engine 838A1000 |
| Kappa 2.0               | 1998-2001<br>Engine 838A6000 |
| Kappa 2.0t              | 1994-1998<br>Engine 838A4000 |
| Kappa 2.0t              | 1998-2001<br>Engine 175A3000 |
| Kappa 2.4               | 1994-1998<br>Engine 838A2000 |
| Kappa 2.4               | 1998-2001<br>Engine 838A2000 |
| Kappa 3.0               | 1994-1998<br>Engine 838B000  |
| Kappa 3.0 V6            | 1998-2001<br>Engine 838B000  |
| Kappa 2.4 td            | 1994-1998<br>Engine 838A3000 |
| Kappa 2.4 JTD           | 1998-2001<br>Engine 838A8000 |
| <b>Lybra</b>            |                              |
| Lybra 1.6 16V           | 2000-2001<br>Engine 182A4000 |
| Lybra 1.6 16V           | 2001-2005<br>Engine 182A6000 |
| Lybra 1.8 16V           | 2000-2001<br>Engine 839A4000 |
| Lybra 1.8 16V           | 2001-2005<br>Engine 839A7000 |
| Lybra 2.0 20V           | 2000-2001<br>Engine 182B7000 |
| Lybra 2.0 20V           | 2001-2005<br>Engine 185B8000 |
| Lybra 1.9 JTD (77 kW)   | 2000-2001<br>Engine AR 32302 |
| Lybra 1.9 JTD (81 kW)   | 2001-2005<br>Engine AR 37101 |



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|              |   |
|--------------|---|
|              | Lybra 1.9 JTD (85 kW) 2001-2005<br>Engine 937A2000                |
|              | Lybra 2.4 JTD (98 kW) 2000-2001<br>Engine 839A5000                |
|              | Lybra 2.4 JTD (103 kW) 2001-2002<br>Engine 839A6000               |
|              | Lybra 2.4 JTD (110 kW) 2002-2005<br>Engine 841C.000               |
| Thesis       | Thesis 3.0 V6 24V 2001-2005<br>Engine 841A.000                    |
|              | Thesis 3.2 V6 24V (169 kW) 2003-2007<br>Engine 841L.000           |
|              | Thesis 3.2 V6 24V (189 kW) 2003-2007<br>Engine 841L.000           |
|              | Thesis 2.4 JTD 2001-2006<br>Engine 841C.000                       |
|              | Thesis 2.4 Multijet 20V 2003-2008<br>Engine 841G.000              |
|              | Thesis 2.4 Multijet 20V Comfortronic 2003-2008<br>Engine 841H.000 |
| Thema        | Thema 2.0 i.e. 1984-1988<br>Engine 843B.000                       |
|              | Thema 2.0 i.e. 16V 1988-1992<br>Engine 834B2000                   |
|              | Thema 2.0 i.e. Turbo 1984-1988<br>Engine 843C.000                 |
|              | Thema 2.0 i.e. 16V Turbo 1988-1992<br>Engine 834C1000             |
|              | Thema 2.8 V6 1984-1992<br>Engine 834E.146                         |
|              | Thema 2.4 Turbo Diesel 1984-1988<br>Engine 8144.91                |
| Z            | Z 2.0 Turbo 1994-2000<br>Engine RGX                               |
|              | Z 2.0 16V 1999-2001<br>Engine RFV                                 |
|              | Z 2.0 16V 2001-2002<br>Engine RFN (EW10J4)                        |
|              | Z 2.0 JTD 1999-2000<br>Engine RHZ                                 |
|              | Z 2.0 JTD 16V 2000-2002<br>Engine RHW                             |
|              | Z 2.1 TD 12V 1996-1999<br>Engine P8C                              |
| Phedra       | Phedra 2.0 16V 2002-2005<br>Engine RFN (EW10J4)                   |
|              | Phedra 3.0 V6 24V 2002-2006<br>Engine 3.0 V6/EX9J4S               |
|              | Phedra 2.0 JTD 16V 2002-2006<br>Engine RHW                        |
|              | Phedra 2.0 Multijet 16V (88 kW) 2006-2011<br>Engine RHK           |
|              | Phedra 2.2 JTD 16V 2002-2006<br>Engine 4HW                        |
| Land Rover   |   |
| Freelander 1 | Freelander 1.8 i 1997-2007<br>Engine K Series                     |
|              | Freelander 2.5 i V6 2001-2007<br>Engine KV6                       |
|              | Freelander 2.0 di 1997-2001<br>Engine L                           |
|              | Freelander 2.0 Td4 2001-2007<br>Engine M47R                       |
| Defender     | Defender 90 2.5 1990-1995<br>Engine                               |
|              | Defender 90 V8 1990-2002<br>Engine                                |
|              | Defender 90 2.5 D 1990-1995<br>Engine                             |
|              | Defender 90 Tdi 1990-1994<br>Engine                               |
|              | Defender 90 Tdi 1994-1998<br>Engine                               |
|              | Defender 110 2.5 1990-1995<br>Engine                              |
|              | Defender 110 V8 1990-2002   |

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|                                   |                         |
|-----------------------------------|-------------------------|
|                                   | Engine                  |
| Defender 110 2.5 D                | 1990-1995               |
|                                   | Engine                  |
| Defender 110 Tdi                  | 1990-1994               |
|                                   | Engine                  |
| Defender 110 Tdi                  | 1994-1998               |
|                                   | Engine                  |
| Defender 130 2.5                  | 1990-1995               |
|                                   | Engine                  |
| Defender 130 V8                   | 1990-2002               |
|                                   | Engine                  |
| Defender 130 Tdi                  | 1990-1994               |
|                                   | Engine                  |
| Defender 130 Tdi                  | 1994-1998               |
|                                   | Engine                  |
| Discovery 1                       |                         |
| Discovery 2.0 16V                 | 1993-1998               |
|                                   | Engine T16              |
| Discovery 3.5 V8                  | 1989-1990               |
|                                   | Engine                  |
| Discovery 3.5 V8i                 | 1990-1993               |
|                                   | Engine                  |
| Discovery 3.9 V8                  | 1989-1995               |
|                                   | Engine                  |
| Discovery 4.0 V8i                 | 1993-1998               |
|                                   | Engine                  |
| Discovery 2                       |                         |
| Discovery 4.0 V8i                 | 1998-2005               |
|                                   | Engine                  |
| Discovery 4.6 V8i                 | 1998-2002               |
|                                   | Engine                  |
| Range Rover                       |                         |
| Range Rover V8 4.0                | 1995-2001               |
|                                   | Engine                  |
| Range Rover V8 4.6                | 1995-2001               |
|                                   | Engine                  |
| Range Rover 2.5 TDi               | 1995-2001               |
|                                   | Engine                  |
| Range Rover                       |                         |
| Range Rover V8 4.4                | 2005-2007               |
|                                   | Engine 448PN - AJV8 4.4 |
| Range Rover Td6                   | 2002-2006               |
|                                   | Engine 306D1 - V6 3.0   |
| Landwind                          |                         |
| Landwind / X6                     |                         |
| Landwind / X6 2.0 JX6474E         | 2005-2008               |
|                                   | Engine 4G63-DOHC        |
| Landwind / X6 2.4 JX6474E         | 2005-2008               |
|                                   | Engine 4G64             |
| Landwind / X6 2.4 4x4 JX6474B     | 2005-2008               |
|                                   | Engine 4G64             |
| Landwind / X6 2.8 TD JX6476D      | 2005-2008               |
|                                   | Engine 4JB1T            |
| Landwind / X6 2.8 TD 4x4 JX6476DA | 2005-2008               |
|                                   | Engine 4JB1T            |
| CV9                               |                         |
| CV9 1.6 JX6441A/JX6441LB          | 2011-                   |
|                                   | Engine                  |
| CV9 2.0 JX6441/JX6441L            | 2011-                   |
|                                   | Engine                  |
| Lexus                             |                         |
| CT200h                            |                         |
| CT200h                            | 2011-                   |
|                                   | Engine 2ZR-FXE          |
| IS                                |                         |
| IS 200                            | 1998-2006               |
|                                   | Engine 1G-FE            |
| IS 200 TTE Compressor             | 2001-2006               |
|                                   | Engine 1G-FE Compress   |
| IS 300                            | 2001-2006               |
|                                   | Engine 2JZ-GE           |
| IS                                |                         |
| IS 250                            | 2011-                   |
|                                   | Engine 4GR-FSE          |
| IS 300h                           | 2013-                   |
|                                   | Engine 2AR-FSE          |
| IS 220d                           | 2006-2008               |
|                                   | Engine 2AD-FHV          |
| IS F                              | 2012-                   |
|                                   | Engine 2UR-GSE          |
| GS                                |                         |
| GS 300                            | 1993-1997               |

|    |                |                             |
|----|----------------|-----------------------------|
|    |                | Engine 2JZ-GE               |
| GS | GS 300         | 1997-1998<br>Engine 2JZ-GE  |
|    | GS 300         | 1998-2000<br>Engine 2JZ-GE  |
|    | GS 300         | 2001-2005<br>Engine 2JZ-GE  |
|    | GS 400         | 1997-2000<br>Engine 1UZ-FE  |
|    | GS 430         | 2001-2005<br>Engine 3UZ-FE  |
| GS | GS 300         | 2005-2006<br>Engine 3GR-FSE |
|    | GS 300h        | 2014-<br>Engine 2AR-FSE     |
|    | GS 430         | 2005-2006<br>Engine 3UZ-FE  |
|    | GS 450h        | 2006-2012<br>Engine 2GR-FSE |
|    | GS 450h        | 2012-<br>Engine 2GR-FXE     |
|    | GS 460         | 2008-2012<br>Engine 1UR-FSE |
| LS | LS 400         | 1990-1994<br>Engine 1UZ-FE  |
| LS | LS 400         | 1995-1997<br>Engine 1UZ-FE  |
|    | LS 400         | 1997-2000<br>Engine 1UZ-FE  |
| LS | LS 430         | 2000-2001<br>Engine 3UZ-FE  |
|    | LS 430         | 2001-2003<br>Engine 3UZ-FE  |
|    | LS 430         | 2003-2005<br>Engine 3UZ-FE  |
| LS | LS 460 2WD     | 2006-2012<br>Engine 1UR-FSE |
|    | LS 460 2WD     | 2012-<br>Engine 1UR-FSE     |
|    | LS 460 AWD     | 2008-2012<br>Engine 1UR-FSE |
|    | LS 460 AWD     | 2012-<br>Engine 1UR-FSE     |
|    | LS 600h        | 2007-2012<br>Engine 2UR-FSE |
|    | LS 600h        | 2012-<br>Engine 2UR-FSE     |
| RX | RX 300         | 2000-2001<br>Engine 1MZ-FE  |
|    | RX 300         | 2001-2003<br>Engine 1MZ-FE  |
| RX | RX 300         | 2003-2005<br>Engine 1MZ-FE  |
|    | RX 400h        | 2005-2006<br>Engine 3MZ-FE  |
| RX | RX 350         | 2009-2012<br>Engine 2GR-FE  |
|    | RX 350         | 2012-<br>Engine 2GR-FE      |
|    | RX 450h 2WD    | 2009-2012<br>Engine 2GR-FXE |
|    | RX 450h 2WD    | 2012-<br>Engine 2GR-FXE     |
|    | RX 450h Hybrid | 2009-2012<br>Engine 2GR-FXE |
|    | RX 450h Hybrid | 2012-<br>Engine 2GR-FXE     |
| SC | SC 430         | 2001-2002<br>Engine 3UZ-FE  |
|    | SC 430         | 2002-2004<br>Engine 3UZ-FE  |
|    | SC 430         | 2004-2005                   |

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|           |         |   |
|-----------|---------|---|
|           |         | Engine 3UZ-FE   |
| Lexus USA | ES      | ES 250 1989-1991<br>Engine 2VZ-FE   |
|           | GX      | GX 460 URJ150 2009-<br>Engine 1UR-FE  |
| Lotus     | Elise   | Elise 111R MK2 2004-2006<br>Engine 2ZZ-GE   |
|           | Esprit  | Esprit V8 1996-2004<br>Engine Lotus 918<br>Esprit GT3 1996-2004<br>Engine Lotus 920   |
| Maserati  | Biturbo | Biturbo 1984-1988<br>Engine<br>Biturbo 228 1988-1991<br>Engine AM 473<br>Biturbo 425 1984-1988<br>Engine<br>Biturbo 430 1988-1991<br>Engine AM 473  |
| Mazda     | 121     | 121 1.25 16V 1996-2002<br>Engine Zetec<br>121 1.3 1996-2002<br>Engine<br>121 1.8 D 1996-2002<br>Engine  |
|           | 2       | 2 1.25 16V 2002-2007<br>Engine MZI-1.25<br>2 1.4 16V 2002-2007<br>Engine MZI-1.4<br>2 1.6 16V 2002-2007<br>Engine MZI-1.6<br>2 1.4 CiTD 2002-2007<br>Engine MC-CD 1.4 DI  |
|           | 2       | 2 1.3 (55 kW) 2007-2008<br>Engine ZJ<br>2 1.3 (55 kW) 2009-2010<br>Engine ZJ<br>2 1.3 (55 kW) 2010-<br>Engine MZR 1.3<br>2 1.3 BiFuel (55 kW) 2011-<br>Engine MZR 1.3<br>2 1.3 HP (62 kW) 2007-2008<br>Engine ZJ<br>2 1.3 HP (62 kW) 2009-2010<br>Engine ZJ<br>2 1.3 HP (62 kW) 2010-<br>Engine MZR 1.3<br>2 1.3 HP BiFuel (62 kW) 2011-<br>Engine MZR 1.3<br>2 1.5 (76 kW) 2007-2008<br>Engine ZY<br>2 1.5 (76 kW) 2009-2010<br>Engine ZY<br>2 1.5 (76 kW) 2010-<br>Engine MZR 1.5<br>2 1.6 2010-2011<br>Engine Z6<br>2 1.4 CiTD 2007-2008<br>Engine MC-CD 1.4 DI<br>2 1.4 CiTD 2009-2011<br>Engine MC-CD 1.4 DI<br>2 1.6 CiTD (66 kW) DPF 2009-2010<br>Engine MZ-CD 1.6<br>2 1.6 CiTD (70 kW) DPF 2010-<br>Engine MZ-CD 1.6 |
|           | 323     | 323 1.3i 16V 2001-2003<br>Engine B3-ME<br>323 1.6i 16V 2001-2003<br>Engine ZM   |

|   |                        |           |                     |
|---|------------------------|-----------|---------------------|
|   | 323 2.0i 16V           | 2001-2003 | Engine FS           |
| 3 | 3 1.4                  | 2004-2008 | Engine ZJ           |
|   | 3 1.6                  | 2003-2006 | Engine Z6           |
|   | 3 1.6                  | 2006-2008 | Engine Z6           |
|   | 3 1.6                  | 2009-2009 | Engine Z6           |
|   | 3 2.0                  | 2003-2006 | Engine LF           |
|   | 3 2.0                  | 2006-2008 | Engine LF           |
|   | 3 2.0                  | 2009-2009 | Engine LF           |
|   | 3 2.3 DISI Turbo MPS   | 2006-2008 | Engine L3 Turbo     |
|   | 3 2.3 DISI Turbo MPS   | 2009-2009 | Engine L3 Turbo     |
|   | 3 1.6 CiTD             | 2004-2009 | Engine MZ-CD 1.6    |
|   | 3 1.6 CiTD DPF         | 2004-2009 | Engine MZ-CD 1.6    |
| 3 | 3 1.6                  | 2009-2013 | Engine Z6           |
|   | 3 2.0 DISI i-stop      | 2009-2013 | Engine MZR 2.0 DISI |
|   | 3 2.0                  | 2009-2013 | Engine LF           |
|   | 3 1.6 CiTD (80 kW) DPF | 2009-2010 | Engine MZ-CD 1.6    |
|   | 3 1.6 CiTD (85 kW) DPF | 2010-2013 | Engine MZ-CD 1.6    |
| 5 | 5 1.8                  | 2005-2008 | Engine L-8          |
|   | 5 1.8                  | 2009-2010 | Engine L-8          |
|   | 5 2.0                  | 2005-2008 | Engine LF           |
|   | 5 2.0                  | 2009-2010 | Engine LF           |
| 5 | 5 1.8                  | 2010-     | Engine MZR 1.8      |
|   | 5 2.0                  | 2010-     | Engine MZR 2.0      |
|   | 5 2.0 DISI i-stop      | 2010-     | Engine MZR 2.0 DISI |
|   | 5 1.6 CiTD DPF         | 2010-     | Engine MZ-CD 1.6    |
| 6 | 6 1.8                  | 2002-2007 | Engine L-8          |
|   | 6 2.0                  | 2002-2005 | Engine LF           |
|   | 6 2.0 S-VT             | 2005-2007 | Engine LF           |
|   | 6 2.3 S-VT             | 2002-2007 | Engine L3           |
|   | 6 2.3 S-VT AWD         | 2002-2007 | Engine L3           |
|   | 6 2.3 DISI Turbo       | 2006-2007 | Engine L3 Turbo     |
|   | 6 2.0 CiTD             | 2002-2005 | Engine MZR-CD 2.0   |
|   | 6 2.0 CiTD HP          | 2002-2005 | Engine MZR-CD 2.0   |
| 6 | 6 1.8                  | 2007-2008 | Engine MZR 1.8      |
|   | 6 1.8                  | 2009-2010 | Engine MZR 1.8      |
|   | 6 1.8                  | 2010-2012 | Engine MZR 1.8      |
|   | 6 2.0 S-VT             | 2007-2008 | Engine MZR 2.0      |
|   | 6 2.0 S-VT             | 2009-2010 | Engine MZR 2.0      |

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|               |                   |           |                      |
|---------------|-------------------|-----------|----------------------|
|               | 6 2.0 S-VT        | 2010-2012 | Engine MZR 2.0       |
|               | 6 2.0 DISI        | 2010-2012 | Engine MZR 2.0 DISI  |
|               | 6 2.5 S-VT        | 2007-2008 | Engine MZR 2.5       |
|               | 6 2.5 S-VT        | 2009-2010 | Engine MZR 2.5       |
|               | 6 2.5 S-VT        | 2010-2012 | Engine MZR 2.5       |
| MPV           | MPV 2.0 CiTD      | 2003-2005 | Engine RF            |
| Premacy       | Premacy 2.0 DiTD  | 1999-2000 | Engine DIRECO-D      |
| CX-7          | CX-7 2.5          | 2009-2012 | Engine L5            |
| CX-9          | CX-9 3.7 V6       | 2009-2013 | Engine MZI-3.7       |
| MX-5 / Miata  | MX-5 / Miata 1.6  | 2000-2005 | Engine B6-ZE DOHC    |
|               | MX-5 / Miata 1.8  | 2000-2005 | Engine BP-ZE DOHC    |
| MX-5 / Miata  | MX-5 / Miata 1.8  | 2005-2011 | Engine L-8           |
|               | MX-5 / Miata 1.8  | 2011-     | Engine L-8           |
|               | MX-5 / Miata 2.0  | 2005-2011 | Engine LF            |
|               | MX-5 / Miata 2.0  | 2011-     | Engine LF            |
| RX-7          | RX-7 Twin Turbo   | 1992-1996 | Engine 13B-REW       |
| Mercedes-Benz | A-Class           |           |                      |
|               | A 140             | 1997-2004 | Engine 166.940       |
|               | A 160             | 1997-2004 | Engine 166.960       |
|               | A 190             | 1999-2004 | Engine 166.990       |
|               | A 210             | 2002-2004 | Engine               |
|               | A 160 CDI (44 kW) | 1997-2004 | Engine 668.940       |
|               | A 160 CDI (55 kW) | 2001-2004 | Engine 668.940       |
|               | A 170 CDI (66 kW) | 1997-2004 | Engine 668.941       |
|               | A 170 CDI (70 kW) | 2001-2004 | Engine 668.941       |
| 190           | 190               | 1982-1984 | Engine M 102         |
|               | 190               | 1984-1987 | Engine M 102 V20     |
|               | 190               | 1987-1990 | Engine M 102.V20/E20 |
|               | 190 E 1.8         | 1990-1993 | Engine M 102.018     |
|               | 190 E 2.0         | 1982-1984 | Engine M 102         |
|               | 190 E 2.0         | 1984-1987 | Engine M 102         |
|               | 190 E 2.0         | 1987-1993 | Engine M 102.E20     |
|               | 190 E 2.3         | 1986-1992 | Engine M 102.E23     |
|               | 190 E 2.3-16V     | 1983-1988 | Engine M 102.983     |
|               | 190 E 2.3-16V     | 1987-1989 | Engine M 102.983     |
|               | 190 E 2.5-16V     | 1988-1993 | Engine M 102         |
|               | 190 E 2.6         | 1985-1993 | Engine M 103.E26     |

|         |                   |                           |                                    |
|---------|-------------------|---------------------------|------------------------------------|
|         | 190 D             | 1984-1987                 | Engine Mercedes-Benz OM601         |
|         | 190 D             | 1987-1989                 | Engine Mercedes-Benz OM601         |
|         | 190 D             | 1989-1993                 | Engine Mercedes-Benz OM601         |
|         | 190 D 2.5         | 1985-1987                 | Engine Mercedes-Benz OM602         |
|         | 190 D 2.5         | 1987-1989                 | Engine Mercedes-Benz OM602         |
|         | 190 D 2.5         | 1989-1993                 | Engine Mercedes-Benz OM602         |
|         | 190 D 2.5 Turbo   | 1988-1993                 | Engine Mercedes-Benz OM602A        |
| C-Class | C 180             | 1993-2000                 | Engine M 111.980                   |
|         | C 200             | 1994-2000                 | Engine M 111                       |
|         | C 200 Kompressor  | 1996-2000                 | Engine M 111                       |
|         | C 220             | 1993-1996                 | Engine M 111.961                   |
|         | C 230             | 1996-1997                 | Engine M 111                       |
|         | C 230 Kompressor  | 1996-2000                 | Engine M 111                       |
|         | C 240             | 1997-2000                 | Engine 112.910                     |
|         | C 280             | 1993-1997                 | Engine M 104.941                   |
|         | C 280             | 1997-2000                 | Engine 112.920                     |
|         | C 200 Diesel      | 1993-1996                 | Engine Mercedes-Benz OM601.913     |
|         | C 200 CDI         | 1998-2000                 | Engine 611.960                     |
|         | C 220 Diesel      | 1993-1998                 | Engine Mercedes-Benz OM604.910     |
|         | C 220 CDI         | 1998-2000                 | Engine 611.961                     |
|         | C 250 Diesel      | 1993-1996                 | Engine Mercedes-Benz OM605         |
|         | C 250 Turbodiesel | 1995-2000                 | Engine Mercedes-Benz OM605LA       |
| C-Class | C 180             | 203.035/235/735 2000-2007 | Engine 111.951                     |
|         | C 180             | 203.035/235/735 2007-2007 | Engine 111.951                     |
|         | C 200 Kompressor  | 203.045/245/745 2000-2002 | Engine 111.951                     |
|         | C 240             | 203.061/261 2000-2004     | Engine 112.912                     |
|         | C 240 4MATIC      | 203.081/281 2000-2004     | Engine 112.916                     |
|         | C 320             | 203.064/264/764 2000-2004 | Engine 112.946                     |
|         | C 320 4MATIC      | 203.084/284 2000-2004     | Engine 112.953                     |
| 200-500 | 200               | 1985-1987                 | Engine M 102<br>Carburettor damper |
|         | 200               | 1987-1990                 | Engine M 102.V20                   |
|         | 200 T             | 1987-1990                 | Engine M 102.V20                   |
|         | 230 E             | 1985-1987                 | Engine M 102                       |
|         | 230 E             | 1987-1992                 | Engine M 102.E23                   |
|         | 230 CE            | 1987-1992                 | Engine M 102.E23                   |
|         | 230 TE            | 1987-1992                 | Engine M 102                       |
|         | 260 E             | 1985-1987                 | Engine M 103                       |
|         | 260 E             | 1987-1992                 | Engine M 103.E26                   |
|         | 260 E 4MATIC      | 1987-1992                 | Engine M 103.E26                   |

|         |                     |           |                                |
|---------|---------------------|-----------|--------------------------------|
|         | 300 E               | 1985-1987 | Engine M 103                   |
|         | 300 E               | 1987-1992 | Engine M 103.E30               |
|         | 300 E 4MATIC        | 1987-1992 | Engine M 103.E30               |
|         | 300 CE              | 1987-1992 | Engine M 103.E30               |
|         | 300 TE              | 1987-1992 | Engine M 103                   |
|         | 400 E               | 1991-1992 | Engine M 119                   |
|         | 500 E               | 1990-1992 | Engine M 119                   |
|         | 200 D               | 1985-1990 | Engine Mercedes-Benz OM601     |
|         | 200 D               | 1991-1992 | Engine Mercedes-Benz OM601     |
|         | 200 TD              | 1991-1992 | Engine Mercedes-Benz OM601     |
|         | 250 D               | 1985-1990 | Engine Mercedes-Benz OM602     |
|         | 250 D               | 1990-1992 | Engine Mercedes-Benz OM602     |
|         | 250 TD              | 1990-1992 | Engine Mercedes-Benz OM602     |
|         | 300 D               | 1985-1987 | Engine Mercedes-Benz OM603     |
|         | 300 D               | 1987-1992 | Engine Mercedes-Benz OM603     |
|         | 300 D 4MATIC        | 1987-1992 | Engine Mercedes-Benz OM603.913 |
| E-Class |                     |           |                                |
|         | E 200               | 1992-1995 | Engine M 111                   |
|         | E 220               | 1992-1996 | Engine M 111                   |
|         | E 280               | 1992-1995 | Engine M 104                   |
|         | E 300 4MATIC        | 1992-1995 | Engine M 103                   |
|         | E 320               | 1992-1996 | Engine M 104.992               |
|         | E 420               | 1992-1995 | Engine M 119                   |
|         | E 500               | 1992-1995 | Engine M 119                   |
|         | E 200 Diesel        | 1992-1995 | Engine Mercedes-Benz OM601     |
|         | E 200 Turbo Diesel  | 1992-1995 | Engine Mercedes-Benz OM601     |
|         | E 250 Diesel        | 1992-1995 | Engine Mercedes-Benz OM602     |
|         | E 250 Turbo Diesel  | 1992-1995 | Engine Mercedes-Benz OM602     |
|         | E 300 Diesel        | 1992-1995 | Engine Mercedes-Benz OM603     |
|         | E 300 Diesel 4MATIC | 1992-1995 | Engine Mercedes-Benz OM603.913 |
| E-Class |                     |           |                                |
|         | E 200               | 1995-2000 | Engine M 111                   |
|         | E 200 Kompressor    | 2000-2002 | Engine M 111.947               |
|         | E 230               | 1995-1997 | Engine M 111                   |
|         | E 240               | 1997-2002 | Engine 112.911                 |
|         | E 280               | 1995-1997 | Engine M 104                   |
|         | E 280               | 1997-2002 | Engine 112.921                 |
|         | E 320               | 1995-1997 | Engine M 104                   |
|         | E 320               | 1997-2002 | Engine 112.941                 |
|         | E 420               | 1995-1997 | Engine M 119                   |
|         | E 430               | 1997-2002 | Engine 113.940                 |
|         | E 200 CDI           | 1998-2002 | Engine 611.960                 |



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|           |                    |                       |                             |
|-----------|--------------------|-----------------------|-----------------------------|
|           | E 220 Diesel       | 1995-1998             | Engine Mercedes-Benz OM604  |
|           | E 220 CDI          | 1998-2002             | Engine 611.961              |
|           | E 270 CDI          | 1999-2002             | Engine 612.961              |
|           | E 290 Turbo Diesel | 1995-2000             | Engine Mercedes-Benz OM602  |
|           | E 300 Diesel       | 1995-1998             | Engine Mercedes-Benz OM606  |
|           | E 300 Turbo Diesel | 1996-2000             | Engine Mercedes-Benz OM606  |
|           | E 320 CDI          | 1999-2002             | Engine 613.961              |
| E-Class   | E 240              | 211.061/261 2002-2005 | Engine 112.913              |
|           | E 240 4MATIC       | 211.080/280 2002-2005 | Engine 112.917              |
|           | E 320              | 211.065/265 2002-2004 | Engine 112.949              |
|           | E 320 4MATIC       | 211.082/282 2002-2004 | Engine 112.954              |
|           | E 500              | 211.070/270 2002-2006 | Engine 113.96x              |
|           | E 500 4MATIC       | 211.083/283 2002-2006 | Engine 113.969 (3v)         |
| S-Class   | 300 SE 2.8, S 280  | 1993-1998             | Engine 104.944              |
|           | 300 SE, SEL        | 1991-1994             | Engine 104.990              |
|           | S 320              | 1994-1998             | Engine 104.99x              |
|           | 400 SE, SEL        | 1991-1994             | Engine 119.971              |
|           | S 420              | 1994-1998             | Engine 119.970/971          |
|           | 500 SE, SEL, S 500 | 1991-1998             | Engine 119.980/981          |
|           | 500 SEC, CL 500    | 1992-1998             | Engine 119.980/981          |
|           | 600 SE, SEL, S 600 | 1991-1998             | Engine 120.980              |
|           | 600 SEC, CL 600    | 1992-1998             | Engine 120.980              |
|           | S 300 TD           | 1996-1998             | Engine 606.910              |
|           | S 350 TD           | 1993-1996             | Engine Mercedes-Benz OM603A |
| S-Class   | S 280              | 220.063/163 1999-2005 | Engine 112.922              |
|           | S 320              | 220.065/165 1998-2005 | Engine 112.944              |
|           | S 350              | 220.067/167 2003-2005 | Engine 112.972              |
|           | S 350 4MATIC       | 220.087/187 2003-2005 | Engine 112.975              |
|           | S 430              | 220.070/170 1998-2005 | Engine 113.941              |
|           | S 430 4MATIC       | 220.083/183 2003-2005 | Engine 113.948              |
|           | S 500              | 220.075/175 1998-2005 | Engine 113.960              |
|           | S 500 4MATIC       | 220.084/184 2003-2005 | Engine 113.966              |
|           | S 600              | 220.178 1999-2002     | Engine 137.970              |
|           | S 320 CDI          | 220.026/126 1999-2002 | Engine 613.960              |
|           | S 400 CDI          | 220.028/128 2000-2005 | Engine 628.960              |
| S-Class   | S 450              | 221.070/170 2009-2010 | Engine 273.922              |
|           | S 450 4MATIC       | 221.084/184 2009-2010 | Engine 273.924              |
| R-Class   | R 500 4MATIC       | 251.075/175 2005-2007 | Engine 113.964              |
| SLK-Class |                    |                       |                             |

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|           |                       |           |                  |
|-----------|-----------------------|-----------|------------------|
|           | SLK 200               | 1996-1997 | Engine M 111     |
|           | SLK 200               | 1997-2000 | Engine M 111     |
|           | SLK 200 Kompressor    | 1996-1997 | Engine M 111     |
|           | SLK 200 Kompressor    | 1997-2004 | Engine M 111     |
|           | SLK 230 Kompressor    | 1996-1997 | Engine M 111     |
|           | SLK 230 Kompressor    | 1997-2004 | Engine M 111     |
|           | SLK 320               | 2000-2004 | Engine M 112     |
| SL-Class  | SL 280                | 1993-2001 | Engine M 104     |
|           | 300 SL                | 1989-1993 | Engine M 103.984 |
|           | 300 SL-24V            | 1989-1993 | Engine M 104.981 |
|           | SL 320                | 1993-2001 | Engine M 104     |
|           | 500 SL                | 1989-1993 | Engine M 119     |
|           | SL 500                | 1993-2001 | Engine M 119     |
|           | 600 SL                | 1992-1993 | Engine M 120     |
|           | SL 600                | 1993-2001 | Engine M 120     |
| SL-Class  | SL 350 230.467        | 2002-2006 | Engine 112.97x   |
|           | SL 500 230.475        | 2001-2006 | Engine 113.963   |
| CLK-Class | CLK 200               | 1997-2001 | Engine M 111     |
|           | CLK 200 Kompressor    | 1997-2002 | Engine M 111     |
|           | CLK 230 Kompressor    | 1997-2002 | Engine M 111     |
|           | CLK 320               | 1997-2002 | Engine 112.940   |
|           | CLK 430               | 1997-2002 | Engine 113.943   |
| CLK-Class | CLK 240 209.361/461   | 2002-2004 | Engine 112.912   |
|           | CLK 320 209.365/465   | 2002-2004 | Engine 112.946   |
|           | CLK 500 209.375/475   | 2002-2006 | Engine 113.968   |
| CLS-Class | CLS 500 219.375       | 2004-2006 | Engine 113.96x   |
| CL-Class  | CL 500 215.375        | 1999-2006 | Engine 113.960   |
|           | CL 600 215.378        | 1999-2002 | Engine 137.970   |
| M-Class   | ML 230 163.136        | 1997-2001 | Engine 111.977   |
|           | ML 320 163.154        | 1997-2002 | Engine 112.942   |
|           | ML 350 163.157        | 2002-2005 | Engine 112.97x   |
|           | ML 430 163.172        | 1997-2001 | Engine 113.942   |
|           | ML 500 163.175        | 2001-2005 | Engine 113.96x   |
| M-Class   | ML 500 4MATIC 164.175 | 2005-2007 | Engine 113.964   |
|           | ML 500 4MATIC 164.175 | 2007-2008 | Engine 113.964   |
|           | ML 500 4MATIC 164.175 | 2008-2010 | Engine 113.964   |
|           | ML 500 4MATIC 164.175 | 2010-2011 | Engine 113.964   |

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|          |                                   |  |
|----------|-----------------------------------|--|
|          | ML 550 4MATIC 164.175 2008-2010   |  |
|          | Engine 113.964                    |  |
|          | ML 550 4MATIC 164.175 2010-2011   |  |
|          | Engine 113.964                    |  |
| G-Class  | 200 GE 1990-1993                  |  |
|          | Engine M 102.965                  |  |
|          | 230 GE, G 230 1990-1994           |  |
|          | Engine M 102.989                  |  |
|          | 300 GE, G 300 1990-1994           |  |
|          | Engine M 103.987                  |  |
|          | G 320 1994-1998                   |  |
|          | Engine 104.99x                    |  |
|          | G 320 1998-2006                   |  |
|          | Engine 112.945                    |  |
|          | G 500 1998-2006                   |  |
|          | Engine 113.962                    |  |
|          | G 500 2006-2010                   |  |
|          | Engine 113.962                    |  |
|          | G 500 2010-2012                   |  |
|          | Engine 113.962                    |  |
|          | G 500 2012-                       |  |
|          | Engine 113.962                    |  |
|          | 250 GD 1990-1992                  |  |
|          | Engine Mercedes-Benz OM602.931    |  |
|          | 300 GD, G 300 D 1990-1994         |  |
|          | Engine Mercedes-Benz OM603.931    |  |
|          | 350 GD Turbo, G 350 TD 1991-1996  |  |
|          | Engine                            |  |
|          | G 290 TD 1994-2006                |  |
|          | Engine Mercedes-Benz OM602.983    |  |
|          | G 300 TD 1996-1998                |  |
|          | Engine 606.694                    |  |
| GL-Class | GL 450 4MATIC 164.871 2009-2012   |  |
|          | Engine 273.923                    |  |
| Vaneo    | Vaneo 1.6 (60 kW) 2001-2006       |  |
|          | Engine 166.960                    |  |
|          | Vaneo 1.6 (75 kW) 2001-2006       |  |
|          | Engine 166.960                    |  |
|          | Vaneo 1.9 2001-2006               |  |
|          | Engine 168.032                    |  |
|          | Vaneo CDI (55 kW) 2001-2006       |  |
|          | Engine                            |  |
|          | Vaneo CDI (66 kW) 2001-2006       |  |
|          | Engine                            |  |
| V-Class  | V 230 1999-2003                   |  |
|          | Engine M 111 E23                  |  |
|          | V 280 1999-2003                   |  |
|          | Engine M 104.900                  |  |
|          | V 200 CDI 1999-2003               |  |
|          | Engine Mercedes-Benz OM611 DE22LA |  |
|          | V 220 CDI 1999-2003               |  |
|          | Engine Mercedes-Benz OM611 DE22LA |  |
| Viano    | Viano 3.0 2003-2009               |  |
|          | Engine 112.951                    |  |
|          | Viano 3.2 2003-2005               |  |
|          | Engine 112.951                    |  |
|          | Viano 3.5 2005-2007               |  |
|          | Engine Mercedes-Benz M 112 E37    |  |
| Metrocab | Taxi Models                       |  |
|          | Metrocab (Ford) 1999-2000         |  |
|          | Engine FSD425                     |  |
| MG       | Metro                             |  |
|          | Metro 1300 1986-1989              |  |
|          | Engine/transaxle, manual          |  |
|          | Carburettor damper                |  |
|          | Metro 1.3 Turbo 1986-1989         |  |
|          | Engine/transaxle, manual          |  |
|          | Carburettor damper                |  |
|          | Maestro                           |  |
|          | Maestro 2.0 EFi 1985-1986         |  |
|          | Engine 20H                        |  |
|          | Transaxle, manual                 |  |
|          | Maestro 2.0 EFi 1986-1989         |  |
|          | Engine 20H                        |  |
|          | Transaxle, manual                 |  |

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|               |                       |           |                   |
|---------------|-----------------------|-----------|-------------------|
| Montego       | Montego 2.0i          | 1984-1986 | Transaxle, manual |
|               | Montego 2.0 EFi       | 1986-1989 | Engine            |
|               | Montego 2.0 Turbo     | 1986-1989 | Transaxle, manual |
|               |                       |           | Engine            |
|               |                       |           | Transaxle, manual |
| MG- F / MG-TF | MG-F 1.8i             | 1995-2000 | Engine K...       |
|               | MG-F 1.8i VVC         | 1996-2000 | Engine K...       |
|               | MG-TF 1.6i            | 2001-2005 | Engine K 1.6      |
|               | MG-TF 1.8i            | 2000-2005 | Engine K...       |
|               | MG-TF 1.8i VVC        | 2000-2005 | Engine K... VVC   |
| MG-ZR         | MG-ZR 1.4 16V         | 2001-2005 | Engine K 1.4      |
|               | MG-ZR 1.4 Plus        | 2001-2005 | Engine K 1.4      |
|               | MG-ZR 1.6 16V         | 2001-2005 | Engine K 1.6      |
|               | MG-ZR 1.8 16V         | 2001-2005 | Engine K...       |
|               | MG-ZR 1.8 16V (VVC)   | 2001-2005 | Engine K... VVC   |
|               | MG-ZR TD              | 2001-2005 | Engine 2.0 L TD   |
| MG-ZS         | MG-ZS 1.8 16V         | 2001-2005 | Engine K...       |
|               | MG-ZS V6-24V          | 2001-2005 | Engine 2.5 KV6    |
|               | MG-ZS TD              | 2001-2005 | Engine 2.0 L TD   |
| MG-ZT         | MG-ZT 1.8T 160        | 2002-2005 | Engine K1.8T      |
|               | MG-ZT 160 V6-24V      | 2001-2005 | Engine 2.5 KV6    |
|               | MG-ZT 190 V6-24V      | 2001-2005 | Engine 2.5 KV6    |
|               | MG-ZT 135 CDTi        | 2003-2005 | Engine M47R       |
| Mitsubishi    | Colt / Mirage         |           |                   |
|               | Colt / Mirage 1.3     | 1992-1996 | Engine 4G13       |
|               | Colt / Mirage 1.3     | 1996-2004 | Engine 4G13       |
|               | Colt / Mirage 1.5     | 1992-1996 | Engine 4G15       |
|               | Colt / Mirage 1.6     | 1992-1996 | Engine 4G92       |
|               | Colt / Mirage 1.6 4WD | 1992-1996 | Engine 4G92       |
|               | Colt / Mirage 1.6     | 1996-2004 | Engine 4G92       |
|               | Colt / Mirage 1.8 GTi | 1992-1996 | Engine 4G93       |
|               | Colt / Mirage 1.8 4WD | 1992-1996 | Engine 4G93       |
| Colt          | Colt 1.1              | 2004-2007 | Engine 134910     |
|               | Colt 1.1              | 2007-2013 | Engine 3A91       |
|               | Colt 1.1 ClearTec     | 2009-2013 | Engine 3A91       |
|               | Colt 1.3              | 2004-2007 | Engine 135930     |
|               | Colt 1.3              | 2009-2013 | Engine 4A90       |
|               | Colt 1.3 ClearTec     | 2009-2013 | Engine 4A90       |
|               | Colt 1.5              | 2004-2008 | Engine 135950     |

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|                  |                  |                        |
|------------------|------------------|------------------------|
|                  | Colt 1.5 Turbo   | 2004-2008              |
|                  |                  | Engine 4G15            |
|                  | Colt 1.5 Turbo   | 2008-2013              |
|                  |                  | Engine 4G15            |
|                  | Colt 1.5 DI-D HP | 2004-2007              |
|                  |                  | Engine 639939          |
| Lancer / Mirage  | Lancer / Mirage  | 1.3 12V 1992-1996      |
|                  |                  | Engine 4G13            |
|                  | Lancer / Mirage  | 1.3 12V 1996-2001      |
|                  |                  | Engine 4G13            |
|                  | Lancer / Mirage  | 1.5 12V 1992-1996      |
|                  |                  | Engine 4G15            |
|                  | Lancer / Mirage  | 1.6 16V, 4WD 1992-1996 |
|                  |                  | Engine 4G92            |
|                  | Lancer / Mirage  | 1.6 16V, 4WD 1996-2001 |
|                  |                  | Engine 4G92            |
|                  | Lancer / Mirage  | 1.8 16V, 4WD 1992-1996 |
|                  |                  | Engine 4G93            |
| Lancer           | Lancer           | 1.3 16V CSO 2003-2009  |
|                  |                  | Engine 4G13            |
|                  | Lancer           | 1.6 16V CSO 2003-2009  |
|                  |                  | Engine 4G18            |
|                  | Lancer           | 2.0 16V CSO 2003-2010  |
|                  |                  | Engine 4G63            |
| Lancer           | Lancer           | 1.5 2007-2010          |
|                  |                  | Engine 4A91            |
|                  | Lancer           | 1.6 2010-2011          |
|                  |                  | Engine 4A92            |
|                  | Lancer           | 1.6 ClearTec 2010-     |
|                  |                  | Engine 4A92            |
|                  | Lancer           | 1.8 2008-2011          |
|                  |                  | Engine 4B10            |
|                  | Lancer           | 1.8 2011-              |
|                  |                  | Engine 4J10            |
|                  | Lancer           | 1.8 ClearTec 2011-     |
|                  |                  | Engine 4J10            |
|                  | Lancer           | 2.0 2WD 2008-2011      |
|                  |                  | Engine 4B11            |
|                  | Lancer           | 2.0 4WD 2008-2011      |
|                  |                  | Engine 4B11            |
|                  | Lancer           | 2.0 2011-              |
|                  |                  | Engine 4B11            |
| Lancer Evolution | Lancer Evolution | IV CN9A 1996-1998      |
|                  |                  | Engine 4G63-DOHC       |
|                  | Lancer Evolution | V CP9A 1998-1999       |
|                  |                  | Engine 4G63-DOHC       |
|                  | Lancer Evolution | VI CP9A 1999-2001      |
|                  |                  | Engine 4G63-DOHC       |
|                  | Lancer Evolution | VII CT9A 2001-2003     |
|                  |                  | Engine 4G63-DOHC       |
|                  | Lancer Evolution | VIII CT9A 2002-2005    |
|                  |                  | Engine 4G63-DOHC       |
|                  | Lancer Evolution | VIII MR CT9A 2003-2005 |
|                  |                  | Engine 4G63-DOHC       |
|                  | Lancer Evolution | IX CT9A 2005-2007      |
|                  |                  | Engine 4G63-MIVEC      |
|                  | Lancer Evolution | IX MR CT9A 2005-2007   |
|                  |                  | Engine 4G63-MIVEC      |
| Lancer Sportback | Lancer Sportback | 1.6 2010-              |
|                  |                  | Engine 4A92            |
|                  | Lancer Sportback | 1.6 ClearTec 2010-     |
|                  |                  | Engine 4A92            |
|                  | Lancer Sportback | 1.8 2008-2011          |
|                  |                  | Engine 4B10            |
|                  | Lancer Sportback | 1.8 2011-              |
|                  |                  | Engine 4J10            |
|                  | Lancer Sportback | 1.8 ClearTec 2011-     |
|                  |                  | Engine 4J10            |
| Space Star       | Space Star       | 1.3 1998-2006          |
|                  |                  | Engine 4G13            |
|                  | Space Star       | 1.6 2002-2006          |
|                  |                  | Engine 4G18            |
|                  | Space Star       | 1.8 GDi 1998-2002      |
|                  |                  | Engine 4G93            |
|                  | Space Star       | 1.9 DI-D 2001-2006     |
|                  |                  | Engine F9Q1            |

## Carisma

Carisma 1.6i 1995-1999  
Engine 4G92  
Carisma 1.6i 1999-2005  
Engine 4G92  
Carisma 1.8i SOHC 1995-1999  
Engine 4G93  
Carisma 1.8i DOHC 1995-1999  
Engine 4G93  
Carisma 1.8 GDi 1997-1999  
Engine 4G93  
Carisma 1.8 GDi 1999-2005  
Engine 4G93  
Carisma 1.9 TD 1996-2005  
Engine F8QT  
Carisma 1.9 DI-D 2001-2005  
Engine F9Q1  
Carisma 1.9 Di-D HP 2001-2005  
Engine F9Q2

## Galant

Galant 1.8 1990-1993  
Engine 4G37  
Galant 1.8i 16V 1992-1996  
Engine 4G93  
Galant 2.0i 1990-1993  
Engine 4G63-SOHC  
Galant 2.0i 4WD 1990-1993  
Engine 4G63-SOHC  
Galant 2.0i 16V 1990-1993  
Engine 4G63-DOHC  
Galant 2.0i 16V 4WD 1990-1993  
Engine 4G63-DOHC  
Galant 2.0i SOHC-16V 1992-1996  
Engine 4G63  
Galant 2.0i SOHC-16V 4WD 1992-1996  
Engine 4G63  
Galant 2.0i SOHC-16V 1996-2004  
Engine 4G63  
Galant 2.0i V6-24V 1992-1996  
Engine 6A12  
Galant 2.4 GDi 1999-2004  
Engine 4G64-GDI  
Galant 2.5i V6-24V 1992-1996  
Engine 6G73  
Galant 2.5i V6-24V 1996-2004  
Engine 6A13

## Sigma

Sigma 3.0 1991-1996  
Engine 6G72  
Sigma 3.0 24V 1991-1996  
Engine 6G72

## Grandis

Grandis 2.4 2004-2011  
Engine 4G69

## Space Runner

Space Runner 1.8 1991-1998  
Engine 4G93  
Space Runner 1.8 4WD 1991-1998  
Engine 4G93  
Space Runner 2.0 16V 1999-2002  
Engine 4G63  
Space Runner 2.4 GDi 1999-2002  
Engine 4G64-GDI

## Space Wagon

Space Wagon 1.8 1991-1992  
Engine 4G93  
Space Wagon 1.8 4WD 1991-1992  
Engine 4G93  
Space Wagon 2.0 1992-1998  
Engine 4G63  
Space Wagon 2.0 4WD 1992-1998  
Engine 4G63  
Space Wagon 2.0 16V 2000-2004  
Engine 4G63-F  
Space Wagon 2.0 16V 4WD 2000-2004  
Engine 4G63-F  
Space Wagon 2.4 GDi 1998-2004  
Engine 4G64-GDI  
Space Wagon 2.4 GDi 4WD 1998-2004  
Engine 4G64-GDI

## Space Gear

Space Gear 2.0 1994-2000

# Lubricant Report

|                                     |                             |
|-------------------------------------|-----------------------------|
|                                     | Engine 4G63                 |
| Space Gear 2.4                      | 1994-2000                   |
|                                     | Engine 4G64                 |
| Space Gear 2.4 4WD                  | 1994-2000                   |
|                                     | Engine 4G64                 |
| ASX / RVR                           |                             |
| ASX / RVR 1.6                       | 2010-                       |
|                                     | Engine 4A92                 |
| ASX / RVR 1.6 ClearTec              | 2010-                       |
|                                     | Engine 4A92                 |
| ASX / RVR 1.8                       | 2010-                       |
|                                     | Engine 4B10                 |
| ASX / RVR 2.0 2WD                   | 2010-                       |
|                                     | Engine 4B11                 |
| ASX / RVR 2.0 4WD                   | 2010-                       |
|                                     | Engine 4B11                 |
| Pajero Pinin / Shogun Pinin         |                             |
| Pajero Pinin / Shogun Pinin 1.8     | 2001-2005                   |
|                                     | Engine 4G93                 |
| Pajero Pinin / Shogun Pinin 1.8 GDI | 1999-2000                   |
|                                     | Engine 4G93-GDI             |
| Pajero Pinin / Shogun Pinin 2.0 GDI | 2001-2005                   |
|                                     | Engine 4G94                 |
| Pajero / Shogun / Montero           |                             |
| Pajero / Shogun 2.4                 | 1991-2001                   |
|                                     | Engine 4G64                 |
| Pajero / Shogun 3.0 V6              | 1991-2001                   |
|                                     | Engine 6G72                 |
| Pajero / Shogun 3.5 V6              | 1994-1999                   |
|                                     | Engine 6G74                 |
| Pajero / Shogun / Montero           |                             |
| Pajero / Shogun 3.5 V6 GDI          | 2001-2007                   |
|                                     | Engine 6G74 GDI             |
| Pajero / Shogun / Montero           |                             |
| Pajero / Shogun 3.8 V6              | 2007-                       |
|                                     | Engine 6G75                 |
| Pajero / Shogun 3.2 DI-D            | 2007-                       |
|                                     | Engine 4M41                 |
| Outlander (Sport)                   |                             |
| Outlander (Sport) 2.0 16V           | 2003-2009                   |
|                                     | Engine 4G63                 |
| Outlander (Sport) 2.0 Turbo         | 2003-2009                   |
|                                     | Engine 4G63-DOHC            |
| Outlander (Sport) 2.4 16V           | 2003-2009                   |
|                                     | Engine 4G69                 |
| Outlander                           |                             |
| Outlander 2.0 4x2                   | 2010-2013                   |
|                                     | Engine 4B11                 |
| Outlander 2.0 4x4                   | 2010-2013                   |
|                                     | Engine 4B11                 |
| Outlander 2.4                       | 2007-2013                   |
|                                     | Engine 4B12                 |
| Outlander 2.4 ClearTec FFV          | 2007-2013                   |
|                                     | Engine 4B12 FFV             |
| Outlander 3.0                       | 2007-2013                   |
|                                     | Engine 6B31                 |
| Outlander 2.2 DI-D                  | 2007-2010                   |
|                                     | Engine DW12MTED4 (4HN)      |
| Eclipse                             |                             |
| Eclipse 2.0i DOHC-16V, 4WD          | 1989-1994                   |
|                                     | Engine 4G63                 |
| Eclipse 2.0i DOHC-16V               | 1994-1998                   |
|                                     | Engine 4G63                 |
| 3000 GT / GTO                       |                             |
| 3000 GT / GTO                       | 1991-1996                   |
|                                     | Engine 6G72, DOHC 24V       |
| 3000 GT / GTO                       | 1996-2001                   |
|                                     | Engine 6G72, DOHC 24V       |
| 3000 GT Turbo / GTO Turbo           | 1991-1996                   |
|                                     | Engine 6G72, DOHC 24V Turbo |
| 3000 GT Turbo / GTO Turbo           | 1996-2001                   |
|                                     | Engine 6G72, DOHC 24V Turbo |
| Morgan                              |                             |
| All models                          |                             |
| 4/4 1600                            | 1981-1990                   |
|                                     | Engine Ford CVH 1.6         |
| Plus 4 16 valve                     | 1988-1993                   |
|                                     | Engine Rover M16 2.0        |
| Plus 8                              | 1981-1993                   |
|                                     | Engine Rover V8             |
| Nissan                              |                             |
| Pixo                                |                             |

|               |  |
|---------------|--|
|               | Pixo 1.0 2009-<br>Engine K10B                                |
| Micra / March |  |
|               | Micra / March 1.0 16V K11 1992-2002<br>Engine CG10DE         |
|               | Micra / March 1.0 16V K12 2003-2005<br>Engine CR10DE         |
|               | Micra / March 1.2 16V (48 kW) K12 2003-2010<br>Engine CR12DE |
|               | Micra / March 1.2 16V (59 kW) K12 2003-2010<br>Engine CR12DE |
|               | Micra / March 1.3 16V K11 1992-2000<br>Engine CG13DE         |
|               | Micra / March 1.4 16V K11 2001-2002<br>Engine CG-A3          |
|               | Micra / March 1.4 16V K12 2003-2010<br>Engine CR14DE         |
|               | Micra / March 1.6 16V K12 2005-2008<br>Engine HR16DE         |
|               | Micra / March 1.5 Diesel K11 2001-2003<br>Engine VJX         |
|               | Micra / March 1.5 dCi (48 kW) K12 2003-2007<br>Engine K9K    |
|               | Micra / March 1.5 dCi (60 kW) K12 2003-2008<br>Engine K9K    |
| Micra / March |  |
|               | Micra / March 1.2 2011-<br>Engine HR12DE                     |
|               | Micra / March 1.2 DIG-S 2011-<br>Engine HR12DDR              |
|               | Micra / March 1.5 2011-<br>Engine HR15DE                     |
| X-Trail       |  |
|               | X-Trail 2.0 16V 2WD 2005-2007<br>Engine QR20DE               |
|               | X-Trail 2.0 16V 4WD 2001-2007<br>Engine QR20DE               |
|               | X-Trail 2.5 16V 4WD 2002-2006<br>Engine QR25DE               |
| X-Trail       |  |
|               | X-Trail 2.0 16V 2WD 2007-2010<br>Engine MR20DE               |
|               | X-Trail 2.0 16V 4WD 2007-2010<br>Engine MR20DE               |
|               | X-Trail 2.0 16V 4WD 2010-<br>Engine MR20DE                   |
|               | X-Trail 2.5 16V 4WD 2007-2010<br>Engine QR25DE               |
|               | X-Trail 2.5 16V 4WD 2010-<br>Engine QR25DE                   |
|               | X-Trail 2.0 dCi (110 kW) 2WD 2007-2010<br>Engine M9R         |
|               | X-Trail 2.0 dCi (110 kW) 4WD 2007-2010<br>Engine M9R         |
|               | X-Trail 2.0 dCi (127 kW) 4WD 2007-2010<br>Engine M9R         |
| Cube          |  |
|               | Cube 1.6 2010-2011<br>Engine HR16DE                          |
| Sunny         |  |
|               | Sunny 1.0 N13 1989-1991<br>Engine E10S                       |
|               | Sunny 1.3 N13 1989-1990<br>Engine E13S                       |
|               | Sunny 1.4 N13 1989-1990<br>Engine GA14S                      |
|               | Sunny 1.4 N14 1991-1995<br>Engine GA14DS                     |
|               | Sunny Wagon 1.6 N14 1990-1995<br>Engine GA16DS               |
|               | Sunny Wagon 1.6 4WD Y10 1990-1995<br>Engine GA16DS           |
|               | Sunny 1.6 N13 1989-1990<br>Engine GA16S                      |
|               | Sunny 1.6 4WD N13 1989-1990<br>Engine GA16S                  |
|               | Sunny 1.6i N13 1989-1990<br>Engine GA16i                     |
|               | Sunny 1.6i 4WD N13 1989-1990<br>Engine GA16i                 |
|               | Sunny 1.6 N14 1991-1995<br>Engine GA16DS                     |



|             |   |
|-------------|---|
|             | Sunny 1.6 4WD N14 1991-1995<br>Engine GA16DS            |
|             | Sunny 1.6i N14 1991-1995<br>Engine GA16DE               |
|             | Sunny 1.6i 4WD N14 1991-1995<br>Engine GA16DE           |
|             | Sunny 1.8 N13 1989-1990<br>Engine CA18DE                |
|             | Sunny 2.0i N14 1991-1995<br>Engine GA20DE               |
|             | Sunny 2.0i 4WD N14 1991-1995<br>Engine GA20DE           |
|             | Sunny GTi 2.0 Turbo 4WD N14 1991-1995<br>Engine SR20DET |
| Note        |   |
|             | Note 1.4 2006-2009<br>Engine CR14DE                     |
|             | Note 1.4 2009-2013<br>Engine CR14DE                     |
|             | Note 1.6 2006-2009<br>Engine HR16DE                     |
|             | Note 1.6 2009-2013<br>Engine HR16DE                     |
|             | Note 1.5 dCi Ip 2006-2008<br>Engine K9K                 |
|             | Note 1.5 dCi hp 2006-2008<br>Engine K9K                 |
|             | Note 1.5 dCi 90 2010-2013<br>Engine K9K                 |
|             | Note 1.5 dCi 106 2008-2009<br>Engine K9K                |
|             | Note 1.5 dCi 106 2009-2010<br>Engine K9K                |
| Note        |   |
|             | Note 1.2 2013-<br>Engine HR12DE                         |
|             | Note 1.2 DIG-S 2013-<br>Engine HR12DDR                  |
| Almera      |   |
|             | Almera 1.4i 1995-2000<br>Engine GA14SE                  |
|             | Almera 1.5i 2000-2002<br>Engine QG15DE                  |
|             | Almera 1.5i 2002-2007<br>Engine QG15DE                  |
|             | Almera 1.6i 1995-2000<br>Engine GA16DE                  |
|             | Almera 1.8i 2000-2002<br>Engine QG18DE                  |
|             | Almera 1.8i 2002-2006<br>Engine QG18DE                  |
|             | Almera 2.0i 1996-2000<br>Engine SR20DE                  |
|             | Almera 2.0i 2000-2001<br>Engine SR20DE                  |
|             | Almera 1.5 dCi 2002-2006<br>Engine K9K                  |
|             | Almera 2.2 Di, DT 2000-2003<br>Engine YD22DD(T)         |
|             | Almera 2.2 dCi (82 kW) 2003-2006<br>Engine YD22DDTi     |
|             | Almera 2.2 dCi (100 kW) 2003-2006<br>Engine YD22DDTi    |
| Almera Tino |   |
|             | Almera Tino 1.8 V10 2000-2003<br>Engine QG18DE          |
|             | Almera Tino 1.8 V10 2003-2006<br>Engine QG18DE          |
|             | Almera Tino 2.0 V10 2000-2003<br>Engine SR20DE          |
| Tiida       |   |
|             | Tiida 1.4 2007-<br>Engine CR14DE                        |
|             | Tiida 1.6 2007-<br>Engine HR16DE                        |
|             | Tiida 1.8 2007-<br>Engine MR18DE                        |
| Primera     |   |
|             | Primera 1.6 P10 / W10 1990-1996<br>Engine GA16DS        |
|             | Primera 1.6 1996-1999<br>Engine GA16DE                  |

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|            | Primera 1.6 16V 2000-2002<br>Engine GA16DE          |
|            | Primera 1.6 16V 2002-2004<br>Engine QG16DE          |
|            | Primera 1.8i 16V 2000-2002<br>Engine QG18DE         |
|            | Primera 1.8 16V 2002-2008<br>Engine QG18DE          |
|            | Primera 2.0 P10 / W10 1990-1996<br>Engine SR20Di    |
|            | Primera 2.0 1996-1999<br>Engine SR20DE              |
|            | Primera 2.0 GT P10 / W10 1990-1996<br>Engine SR20DE |
|            | Primera 2.0 GT 1996-1999<br>Engine SR20DE           |
|            | Primera 2.0 16V 2001-2002<br>Engine SR20DE          |
|            | Primera 2.0 16V 2002-2008<br>Engine QR20DE          |
|            | Primera 2.0 TD P10 / W10 1993-1996<br>Engine CD 20T |
|            | Primera 2.0 TD 1996-1999<br>Engine CD 20T           |
|            | Primera 2.0 TD 2000-2002<br>Engine CD 20T           |
|            | Primera 2.2 DCT 2002-2003<br>Engine YD22DDTi        |
|            | Primera 2.2 dCi 2003-2006<br>Engine YD22DDTi        |
| Maxima QX  | Maxima QX 2.0 V6 1995-2000<br>Engine VQ20DE         |
|            | Maxima QX 2.0 V6 2000-2004<br>Engine VQ20DE         |
|            | Maxima QX 3.0 V6 1995-2000<br>Engine VQ30DE         |
|            | Maxima QX 3.0 V6 2000-2004<br>Engine VQ30DE         |
| Teana      | Teana 2.0 16V 2003-2008<br>Engine QR20DE            |
|            | Teana 2.3 V6 2003-2008<br>Engine VQ23DE             |
|            | Teana 3.5 V6 2003-2008<br>Engine VQ35DE             |
| Teana      | Teana 2.0 16V 2008-<br>Engine MR20DE                |
|            | Teana 2.5 V6 2008-<br>Engine VQ25DE                 |
|            | Teana 3.5 V6 2008-<br>Engine VQ35DE                 |
| Terrano II | Terrano II 2.4 1992-1996<br>Engine Z 24             |
|            | Terrano II 2.4 1996-2000<br>Engine KA 24E           |
|            | Terrano II 2.4 2000-2002<br>Engine KA 24E           |
|            | Terrano II 2.7 TD 1992-1996<br>Engine TD 27T        |
|            | Terrano II 2.7 TD 1997-2000<br>Engine TD 27Ti       |
|            | Terrano II 2.7 TD 2000-2007<br>Engine TD 27Ti       |
|            | Terrano II 3.0 Di 2002-2007<br>Engine ZD30DDTi      |
| Serena     | Serena 1.6-16V 1992-2000<br>Engine GA16DE           |
|            | Serena 2.0-16V 1992-2000<br>Engine SR20DE           |
|            | Serena 2.0 Diesel 1992-1995<br>Engine LD20-II       |
|            | Serena 2.3 Diesel C23 1996-2000<br>Engine LD23      |
| Evalia     | Evaliai 1.6 2010-<br>Engine HR16DE                  |
| Juke       | Juke 1.6 ECO 2010-                                  |

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|   |                 |
|---|-----------------|
|   | Engine HR16DE   |
| Juke 1.6 2010-                                | Engine HR16DE   |
| Juke 1.6 DIG-T 2010-                          | Engine MR16DDT  |
| Juke 1.6 DIG-T 4WD 2010-                      | Engine MR16DDT  |
| Qashqai                                       |                 |
| Qashqai 1.6 2007-2010                         | Engine HR16DE   |
| Qashqai 1.6 2010-                             | Engine HR16DE   |
| Qashqai 2.0 2007-2010                         | Engine MR20DE   |
| Qashqai 2.0 2010-                             | Engine MR20DE   |
| Qashqai 2.0 4WD 2007-2010                     | Engine MR20DE   |
| Qashqai 2.0 4WD 2010-                         | Engine MR20DE   |
| Qashqai 2.0 dCi 2008-2010                     | Engine M9R      |
| Qashqai 2.0 dCi 4WD 2008-2010                 | Engine M9R      |
| Murano  |                 |
| Murano 3.5 V6 2004-2008                       | Engine VQ35DE   |
| Murano  |                 |
| Murano 3.5 V6 2008-                           | Engine VQ35DE   |
| Pathfinder / Terrano                          |                 |
| Pathfinder / Terrano 2.7 Diesel D21 1986-1995 | Engine TD 27    |
| Pathfinder                                    |                 |
| Pathfinder 4.0 V6 2005-2010                   | Engine VQ40DE   |
| Pathfinder 2.5 dCi (140 kW) 2010-             | Engine YD25DDTi |
| Navara  |                 |
| Navara 2.5 dCi (140 kW) 2WD 2010-             | Engine YD25DDTi |
| Navara 2.5 dCi (140 kW) 4WD 2010-             | Engine YD25DDTi |
| Patrol  |                 |
| Patrol R 4.2 Y60 1992-1997                    | Engine TB42E    |
| Patrol GR 4.2 Y60 1992-1997                   | Engine TB42E    |
| Patrol R 2.8 D Y60 1991-1993                  | Engine RD28T    |
| Patrol GR 2.8 TD Y60 1987-1997                | Engine RD28T    |
| Patrol R 4.2 D Y60 1992-1997                  | Engine TD 42    |
| Patrol  |                 |
| Patrol 4.8 (185 kW) 2002-2007                 | Engine TB48DE   |
| Patrol 4.8 (206 kW) 2007-2010                 | Engine TB48DE   |
| Patrol 2.8 TDi 1998-2000                      | Engine RD28ETi  |
| Patrol 2.8 TD 1998-2000                       | Engine Td6      |
| Patrol 3.0 Di 2000-2001                       | Engine ZD30DDTi |
| Patrol 3.0 Di 2001-2004                       | Engine ZD30DDTi |
| Patrol 3.0 Di 2004-2010                       | Engine ZD30DDTi |
| Patrol 4.2 TD 1997-2002                       | Engine TD42T3   |
| Patrol  |                 |
| Patrol 5.6 V8 (236 kW) 2010-                  | Engine VK56DE   |
| Patrol 5.6 V8 (298 kW) 2010-                  | Engine VK56VD   |
| 100 NX  |                 |
| 100 NX 1.6 B13 1991-1995                      | Engine GA16DS   |
| 100 NX 2.0 GTi B13 1991-1995                  | Engine SR20DE   |
| 200 SX  |                 |

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|            |                       |            |                            |
|------------|-----------------------|------------|----------------------------|
|            | 200 SX                | 1994-1997  | Engine SR20SET             |
|            | 200 SX                | 1997-1999  | Engine SR20DET             |
| 300 ZX     | 300 ZX Twin Turbo Z32 | 1990-1991  | Engine VG30DETT            |
| 350Z       | 350Z (206 kW)         | 2003-2006  | Engine VQ35DE              |
|            | 350Z (221 kW)         | 2005-2007  | Engine VQ35DE              |
|            | 350Z (230 kW)         | 2007-      | Engine VQ35HR              |
| 370Z       | 370Z                  | 2009-2010  | Engine VQ37VHR             |
|            | 370Z                  | 2010-      | Engine VQ37VHR             |
| Skyline    | Skyline 2.0 R34       | 1999-2002  | Engine RB20DE              |
|            | Skyline 2.5 R34       | 1999-2002  | Engine RB25DE              |
|            | Skyline GT-T 2.5 R34  | 1999-2002  | Engine RB25DET             |
| Nissan USA | Sentra                | Sentra 1.6 | 1996-1999<br>Engine GA16DE |
|            | Sentra 1.8            | 1998-1998  | Engine QG18DE              |
|            | Sentra 1.8            | 1999-1999  | Engine QG18DE              |
|            | Sentra 2.0            | 1994-1994  | Engine SR20DE              |
|            | Sentra 2.0            | 1995-1995  | Engine SR20DE              |
|            | Sentra 2.0            | 1996-1997  | Engine SR20DE              |
|            | Sentra 2.0            | 1998-1998  | Engine SR20DE              |
|            | Sentra 2.0            | 1999-1999  | Engine SR20DE              |
|            | Sentra                | Sentra 1.8 | 2000-2001<br>Engine QG18DE |
|            | Sentra 1.8            | 2002-2002  | Engine QG18DE              |
|            | Sentra 1.8            | 2003-2003  | Engine QG18DE              |
|            | Sentra 1.8            | 2004-2007  | Engine QG18DE              |
|            | Sentra 2.0            | 2000-2001  | Engine SR20DE              |
|            | Sentra 2.5            | 2000-2001  | Engine QR25DE              |
|            | Sentra 2.5            | 2002-2002  | Engine QR25DE              |
|            | Sentra 2.5            | 2003-2003  | Engine QR25DE              |
|            | Sentra 2.5            | 2004-2005  | Engine QR25DE              |
|            | Sentra 2.5            | 2006-2006  | Engine QR25DE              |
|            | Sentra 2.5 Spec V     | 2004-2005  | Engine QR25DE              |
|            | Sentra 2.5 Spec V     | 2006-2006  | Engine QR25DE              |
| Maxima     | Maxima 3.5            | 2004-2004  | Engine VQ35DE              |
|            | Maxima 3.5            | 2005-2006  | Engine VQ35DE              |
|            | Maxima 3.5            | 2007-2007  | Engine VQ35DE              |
| Maxima     | Maxima 3.5 (Mexico)   | 2009-2009  | Engine VQ35DE              |
|            | Maxima 3.5 (Mexico)   | 2010-      | Engine VQ35DE              |
| Rogue      |                       |            |                            |

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|------------|--|
|            | Rogue 2.5 (Mexico) 2008-2008<br>Engine QR25DE  |
|            | Rogue 2.5 (Mexico) 2009-<br>Engine QR25DE      |
|            | Rogue 2.5 AWD (Mexico) 2009-<br>Engine QR25DE  |
| Murano     |  |
|            | Murano 3.5 2003-2003<br>Engine VQ35DE          |
|            | Murano 3.5 AWD 2003-2003<br>Engine VQ35DE      |
|            | Murano 3.5 2004-2006<br>Engine VQ35DE          |
|            | Murano 3.5 AWD 2004-2006<br>Engine VQ35DE      |
| Murano     |  |
|            | Murano 3.5 (Mexico) 2008-<br>Engine VQ35DE     |
|            | Murano 3.5 AWD (Mexico) 2008-<br>Engine VQ35DE |
| Xterra     |  |
|            | Xterra 2.4 2000-2000<br>Engine KA24DE          |
|            | Xterra 2.4 2001-2001<br>Engine KA24DE          |
|            | Xterra 2.4 2002-2002<br>Engine KA24DE          |
|            | Xterra 2.4 2003-2004<br>Engine KA24DE          |
|            | Xterra 3.3 2000-2000<br>Engine VG33E           |
|            | Xterra 3.3 Turbo 2000-2000<br>Engine VG33ER    |
|            | Xterra 3.3 2001-2001<br>Engine VG33E           |
|            | Xterra 3.3 Turbo 2001-2001<br>Engine VG33ER    |
|            | Xterra 3.3 2002-2002<br>Engine VG33E           |
|            | Xterra 3.3 Turbo 2002-2002<br>Engine VG33ER    |
|            | Xterra 3.3 2003-2004<br>Engine VG33E           |
|            | Xterra 3.3 Turbo 2003-2004<br>Engine VG33ER    |
|            | Xterra 4.0 2005-2005<br>Engine VQ40DE          |
| Pathfinder |  |
|            | Pathfinder 4.0 V6 2005-2005<br>Engine VQ40DE   |
|            | Pathfinder 4.0 V6 2006-2006<br>Engine VQ40DE   |
| Armada     |  |
|            | Armada 5.6 V8 2005-2006<br>Engine VK56DE       |
| Quest      |  |
|            | Quest 3.3 1999-2003<br>Engine VG33E            |
|            | Quest 3.5 2003-2007<br>Engine VQ35DE           |
| Frontier   |  |
|            | Frontier 2.4 RWD 2000-2000<br>Engine KA24DE    |
|            | Frontier 2.4 RWD 2001-2001<br>Engine KA24DE    |
|            | Frontier 2.4 RWD 2002-2002<br>Engine KA24DE    |
|            | Frontier 2.4 RWD 2003-2003<br>Engine KA24DE    |
|            | Frontier 2.4 RWD 2004-2004<br>Engine KA24DE    |
|            | Frontier 2.4 AWD 2000-2000<br>Engine KA24DE    |
|            | Frontier 3.3 2000-2000<br>Engine VG33E         |
|            | Frontier 3.3 2001-2001<br>Engine VG33E         |
|            | Frontier 3.3 2002-2002<br>Engine VG33E         |
|            | Frontier 3.3 2003-2003<br>Engine VG33E         |
|            | Frontier 3.3 2004-2004                         |

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|----------|---|
|          | Engine VG33E                              |
|          | Frontier 3.3 Supercharged 2000-2000       |
|          | Engine VG33ER                             |
|          | Frontier 3.3 Supercharged 2001-2001       |
|          | Engine VG33ER                             |
|          | Frontier 3.3 Supercharged 2002-2002       |
|          | Engine VG33ER                             |
|          | Frontier 3.3 Supercharged 2003-2003       |
|          | Engine VG33E                              |
|          | Frontier 3.3 Supercharged 2004-2004       |
|          | Engine VG33E                              |
| Frontier |   |
|          | Frontier 2.5 2005-2005                    |
|          | Engine QR25DE                             |
|          | Frontier 2.5 2006-2006                    |
|          | Engine QR25DE                             |
|          | Frontier 4.0 2WD 2005-2005                |
|          | Engine VQ40DE                             |
|          | Frontier 4.0 4WD 2005-2005                |
|          | Engine VQ40DE                             |
|          | Frontier 4.0 2WD 2006-2006                |
|          | Engine VQ40DE                             |
|          | Frontier 4.0 4WD 2006-2006                |
|          | Engine VQ40DE                             |
| Frontier |   |
|          | Frontier 4.0 2WD (Mexico) 2010-           |
|          | Engine VQ40DE                             |
|          | Frontier 4.0 4WD (Mexico) 2010-           |
|          | Engine VQ40DE                             |
| Titan    |   |
|          | Titan V8 2004-2005                        |
|          | Engine VK56DE                             |
|          | Titan V8 2006-2006                        |
|          | Engine VK56DE                             |
|          | Titan V8 2007-2007                        |
|          | Engine VK56DE                             |
| Titan    |   |
|          | Titan V8 (Mexico) 2011-                   |
|          | Engine VK56DE                             |
| Opel     |   |
| Agila A  |   |
|          | Agila 1.0 12V 2000-2004                   |
|          | Engine Z10XE                              |
|          | Agila 1.2 16V 2000-2004                   |
|          | Engine Z12XE                              |
| Combo C  |   |
|          | Tour 1.6 2002-2004                        |
|          | Engine Z16SE                              |
|          | Tour 1.7 DI 16V 2002-2004                 |
|          | Engine Y17DTL                             |
|          | Tour 1.7 DTI 16V 2002-2004                |
|          | Engine Y17DT                              |
| Corsa A  |   |
|          | Corsa 1.0S 1983-1987                      |
|          | Engine 10S                                |
|          | Corsa 1.0 1987-1993                       |
|          | Engine 10S                                |
|          | Corsa 1.2 1983-1987                       |
|          | Engine 12ST, 12SC                         |
|          | Corsa 1.2S 1987-1993                      |
|          | Engine 12ST, 12NC                         |
|          | Corsa 1.2i 1990-1993                      |
|          | Engine C12NZ                              |
|          | Corsa 1.3 (44 kW) 1986-1990               |
|          | Engine 13NB                               |
|          | Corsa 1.3 (44 kW) with catalyst 1985-1990 |
|          | Engine C13N                               |
|          | Corsa 1.3 (51 kW) 1982-1990               |
|          | Engine 13SB                               |
|          | Corsa 1.4i 1989-1993                      |
|          | Engine C14NZ                              |
|          | Corsa 1.4i 1991-1993                      |
|          | Engine C14SE                              |
|          | Corsa 1.6i 1988-1993                      |
|          | Engine C16NZ                              |
|          | Corsa 1.6 GSi 1988-1993                   |
|          | Engine E16SE                              |
|          | Corsa 1.6 GSi 1990-1993                   |
|          | Engine C16SEI                             |
|          | Corsa 1.5 D 1988-1993                     |
|          | Engine 4 EC1                              |
|          | Corsa 1.5 TD 1988-1993                    |

|          | Engine T4 EC1  |
|----------|--|
| Corsa B  |  |
|          | Corsa B 1.0i 12V 1997-2000<br>Engine X10XE             |
|          | Corsa B 1.2i 1993-1998<br>Engine C12NZ<br>Engine X12SZ |
|          | Corsa B 1.2i 16V 1998-2000<br>Engine X12XE             |
|          | Corsa B 1.4i 1993-1996<br>Engine C14NZ                 |
|          | Corsa B 1.4i 1996-1998<br>Engine X14SZ                 |
|          | Corsa B 1.4i 1993-1996<br>Engine C14SE                 |
|          | Corsa B 1.4i 16V 1994-2000<br>Engine X14XE             |
|          | Corsa B 1.6 GSi-16V 1993-1994<br>Engine C16XE          |
|          | Corsa B 1.6i 16V 1994-2000<br>Engine X16XE             |
|          | Corsa B 1.5 D 1993-2000<br>Engine 4 EC1                |
|          | Corsa B 1.5 TD 1993-2000<br>Engine X15DT               |
|          | Corsa B 1.7 D 1993-2000<br>Engine X17D                 |
| Corsa C  |  |
|          | Corsa C 1.0 12V 2000-2004<br>Engine Z10XE              |
|          | Corsa C 1.2 16V 2000-2004<br>Engine Z12XE              |
|          | Corsa C 1.4 16V 2000-2004<br>Engine Z14XE              |
|          | Corsa C 1.8 16V GSI 2000-2004<br>Engine Z18XE          |
|          | Corsa C 1.7 DI 16V 2000-2004<br>Engine Y17DTL          |
|          | Corsa C 1.7 DTI 16V 2000-2004<br>Engine Y17DT          |
| Kadett D |  |
|          | Kadett 1.2 1982-1984<br>Engine 12S, 12ST               |
|          | Kadett 1.3 1982-1984<br>Engine 13S, 13SC               |
|          | Kadett 1.6 1982-1984<br>Engine 16SH                    |
|          | Kadett 1.8 GTE 1983-1984<br>Engine 18E                 |
|          | Kadett 1.6 D 1982-1984<br>Engine 16 D                  |
| Kadett E |  |
|          | Kadett 1.2S 1984-1987<br>Engine 12ST, 12SC             |
|          | Kadett 1.3 1984-1991<br>Engine 13N, 13NB               |
|          | Kadett 1.3i 1985-1991<br>Engine C13N                   |
|          | Kadett 1.3S 1987-1993<br>Engine 13S, 13SC              |
|          | Kadett 1.4i (44 kW) 1989-1991<br>Engine C14NZ          |
|          | Kadett 1.4S (55 kW) 1990-1993<br>Engine 14NV           |
|          | Kadett 1.4S (60 kW) 1989-1991<br>Engine 14SE           |
|          | Kadett 1.6i (55 kW) 1986-1991<br>Engine C16LZ, C16NZ   |
|          | Kadett 1.6i (55 kW) 1986-1993<br>Engine E16NZ, C16NZ   |
|          | Kadett 1.6S (60 kW) 1987-1991<br>Engine 16SV           |
|          | Kadett 1.6S (66 kW) 1984-1987<br>Engine 16SH           |
|          | Kadett 1.8S (62 kW) 1987-1991<br>Engine E18NV, S18NV   |
|          | Kadett 1.8i (66 kW) 1990-1991<br>Engine C18NZ          |
|          | Kadett 1.8i (74 kW) 1985-1991<br>Engine C18NE          |
|          | Kadett 1.8i (82 kW) 1986-1991<br>Engine 18SE           |

|                   |                                  |           |                        |
|-------------------|----------------------------------|-----------|------------------------|
|                   | Kadett 1.8 GSi                   | 1985-1986 | Engine 18E             |
|                   | Kadett 2.0 GSi                   | 1987-1993 | Engine 20NE, 20SEH     |
|                   | Kadett 2.0i (95 kW)              | 1986-1991 | Engine 20SEH           |
|                   | Kadett 2.0 GSi 16V               | 1988-1992 | Engine C20XE, 20XEJ    |
|                   | Kadett 1.5 TD                    | 1988-1991 | Engine 15DTR (TC 4EC1) |
|                   | Kadett 1.6 D                     | 1984-1989 | Engine 16 D, 16 DA     |
|                   | Kadett 1.6 D                     | 1987-1991 | Engine 16 DA           |
|                   | Kadett 1.7 D                     | 1988-1991 | Engine 17D (4EE1)      |
|                   | Kadett 1.7 TD                    | 1986-1991 | Engine 17DT (TC4EE1)   |
| Astra F           | Astra F 1.4i                     | 1991-1998 | Engine C14NZ, X14NZ    |
|                   | Astra F 1.4Si                    | 1991-1998 | Engine C14SE           |
|                   | Astra F 1.4S                     | 1991-1994 | Engine 14NV            |
|                   | Astra F 1.4i                     | 1994-1998 | Engine 14SE            |
|                   | Astra F 1.4-16V                  | 1996-1998 | Engine X14XE           |
|                   | Astra F 1.6                      | 1993-1998 | Engine X16SZ, X16SZR   |
|                   | Astra F 1.6i                     | 1991-1995 | Engine C16NZ           |
|                   | Astra F 1.6Si                    | 1992-1998 | Engine C16SE           |
|                   | Astra F 1.6-16V                  | 1995-1998 | Engine X16XEL          |
|                   | Astra F 1.8i                     | 1991-1994 | Engine C18NZ           |
|                   | Astra F 1.8-16V                  | 1993-1995 | Engine C18XE           |
|                   | Astra F 1.8-16V                  | 1995-1998 | Engine C18XEL, X18XE   |
|                   | Astra F 2.0i                     | 1991-1998 | Engine C20NE           |
|                   | Astra F GSi 16V                  | 1991-1995 | Engine C20XE           |
|                   | Astra F GSi 16V                  | 1995-1998 | Engine X20XEV          |
|                   | Astra F 1.7 D                    | 1991-1994 | Engine 17 DR           |
|                   | Astra F 1.7 DTL                  | 1995-1998 | Engine X17DTL          |
|                   | Astra F 1.7 TD                   | 1991-1998 | Engine X17DT           |
| Astra F Classic I | Astra F Classic 1.2 16V          | 1999-2002 | Engine X12XE           |
|                   | Astra F Classic 1.4              | 1999-2002 | Engine C14NZ, X14NZ    |
|                   | Astra F Classic 1.4 16V          | 1999-2002 | Engine X14XE           |
|                   | Astra F Classic 1.6              | 1999-2002 | Engine X16SZR          |
|                   | Astra F Classic 1.6 16V          | 1999-2002 | Engine X16XEL          |
|                   | Astra F Classic 1.8 16V          | 1999-2002 | Engine C18XEL, X18XE   |
|                   | Astra F Classic 2.0 16V (100 kW) | 1999-2002 | Engine X20XEV          |
|                   | Astra F Classic 2.0 16V (118 kW) | 1999-2002 | Engine X20XER          |
|                   | Astra F Classic 1.7 TD           | 1999-2002 | Engine X17DTL          |
|                   | Astra F Classic 2.0 Di           | 1999-2002 | Engine X20DTL          |
|                   | Astra F Classic 2.0 DTi          | 1999-2002 | Engine X20DTH          |
| Astra G           | Astra G 1.2-16V                  | 1998-2001 | Engine X12XE           |
|                   | Astra G 1.2-16V                  | 2001-2004 |                        |



|                            |                     |
|----------------------------|---------------------|
|                            | Engine Z12XE        |
| Astra G 1.4-16V            | 1998-2001           |
|                            | Engine X14XE        |
| Astra G 1.4-16V            | 2001-2004           |
|                            | Engine Z14XE        |
| Astra G 1.6                | 1998-2001           |
|                            | Engine X16SZR       |
| Astra G 1.6                | 2001-2004           |
|                            | Engine Z16S         |
| Astra G 1.6-16V            | 1998-2001           |
|                            | Engine X16XEL       |
| Astra G 1.6-16V            | 2001-2004           |
|                            | Engine X16XE        |
| Astra G 1.8-16V            | 1998-2001           |
|                            | Engine X18XE1       |
| Astra G 1.8-16V            | 2001-2004           |
|                            | Engine Z18XE        |
| Astra G 2.0-16V            | 1998-2000           |
|                            | Engine X20XEV       |
| Astra G 2.0-16V OPC        | 1999-2000           |
|                            | Engine X20XER       |
| Astra G 2.0-16V Turbo      | 2001-2004           |
|                            | Engine Z20LET       |
| Astra G 2.2-16V            | 2000-2004           |
|                            | Engine Z22SE/XE     |
| Astra G 1.7 TD             | 1998-2000           |
|                            | Engine X17DTL       |
| Astra G 1.7 DTi-16V        | 1999-2004           |
|                            | Engine Y17DT        |
| Astra G 2.0 Di-16V         | 1998-2004           |
|                            | Engine X20DTL       |
| Astra G 2.0 DTi-16V        | 1999-2004           |
|                            | Engine Y20DTH       |
| Astra G 2.2 DTi-16V        | 2002-2004           |
|                            | Engine Y22DTR       |
| Ascona C                   |                     |
| Ascona 1.3                 | 1981-1985           |
|                            | Engine 13N, 13NB    |
| Ascona 1.3                 | 1985-1987           |
|                            | Engine 13N, 13NB    |
| Ascona 1.3 S               | 1981-1985           |
|                            | Engine 13S, 13SC    |
| Ascona 1.3 S               | 1985-1987           |
|                            | Engine 13S, 13SC    |
| Ascona 1.6                 | 1981-1988           |
|                            | Engine 16N, C16 LZ  |
| Ascona 1.6 S               | 1981-1985           |
|                            | Engine 16S, 16      |
| Ascona 1.6 S               | 1985-1987           |
|                            | Engine 16S, 16      |
| Ascona 1.8E                | 1983-1985           |
|                            | Engine 18E          |
| Ascona 1.8E                | 1985-1987           |
|                            | Engine 18E          |
| Ascona 1.8S                | 1987-1989           |
|                            | Engine E18NV, S18NV |
| Ascona 2.0 i               | 1986-1988           |
|                            | Engine 20 NE        |
| Ascona 2.0 i with catalyst | 1986-1988           |
|                            | Engine 20 NE        |
| Ascona 2.0 i (96 kW)       | 1987-1988           |
|                            | Engine 20SEH, 20NE  |
| Ascona 1.6 Diesel          | 1984-1985           |
|                            | Engine 16 D         |
| Ascona 1.6 Diesel          | 1985-1987           |
|                            | Engine 16 D         |
| Ascona 1.6 Diesel          | 1987-1989           |
|                            | Engine 16 DA        |
| Vectra A                   |                     |
| Vectra 1.4                 | 1988-1995           |
|                            | Engine 14NV         |
| Vectra 1.6i                | 1988-1995           |
|                            | Engine E16NZ, C16NZ |
| Vectra 1.6S                | 1988-1995           |
|                            | Engine 16SV         |
| Vectra 1.8S                | 1988-1995           |
|                            | Engine E18NVR       |
| Vectra 1.8S 4x4            | 1988-1992           |
|                            | Engine E18NVR       |
| Vectra 1.8i                | 1989-1993           |
|                            | Engine C18NZ        |
| Vectra 2.0i                | 1988-1995           |

|                                     |                         |
|-------------------------------------|-------------------------|
|                                     | Engine 20SEH, (C)20NE   |
| Vectra 2.0i 4x4                     | 1988-1992               |
|                                     | Engine 20SEH, 20NE      |
| Vectra 2.0i 16V                     | 1994-1995               |
|                                     | Engine X20XEV           |
| Vectra 2000 16V                     | 1988-1995               |
|                                     | Engine 20XE, C20XE      |
| Vectra 2000 16V 4x4                 | 1988-1992               |
|                                     | Engine 20XE, C20XE      |
| Vectra 2.0i 16V Turbo 4x4           | 1992-1994               |
|                                     | Engine C20LET           |
| Vectra 2.0i 16V Turbo 4x4           | 1994-1995               |
|                                     | Engine C20LET           |
| Vectra 2.5i V6                      | 1993-1995               |
|                                     | Engine C25XE            |
| Vectra 1.7 D                        | 1988-1990               |
|                                     | Engine 17 D             |
| Vectra 1.7 D                        | 1990-1995               |
|                                     | Engine 17 D             |
| Vectra 1.7 TD                       | 1989-1995               |
|                                     | Engine 17DT (TC4EE1)    |
| <b>Vectra B</b>                     |                         |
| Vectra B 1.6                        | 1995-2000               |
|                                     | Engine 16LZ2            |
|                                     | Engine X16SZR           |
| Vectra B 1.6 16V                    | 1995-2000               |
|                                     | Engine X16XEL           |
| Vectra B 1.6 16V                    | 2001-2002               |
|                                     | Engine Z16XE            |
| Vectra B 1.8 16V                    | 1995-1998               |
|                                     | Engine X18XE            |
| Vectra B 1.8 16V                    | 1999-2000               |
|                                     | Engine X18XE1           |
| Vectra B 1.8 16V                    | 2001-2002               |
|                                     | Engine Z18XE            |
| Vectra B 2.0                        | 1995-2000               |
|                                     | Engine 20NEJ            |
| Vectra B 2.0 16V                    | 1995-2001               |
|                                     | Engine X20XEV           |
| Vectra B 2.2 16V                    | 2001-2002               |
|                                     | Engine Z22SE/XE         |
| Vectra B 2.5 V6                     | 1995-2001               |
|                                     | Engine X25XE            |
| Vectra B 2.6 V6                     | 2001-2002               |
|                                     | Engine Y26SE            |
| Vectra B 1.7 TD                     | 1995-1997               |
|                                     | Engine X17DT (TC4 EE 1) |
| Vectra B 2.0 Di 16V                 | 1996-2000               |
|                                     | Engine X20DTL           |
| Vectra B 2.0 DTi 16V                | 1997-2000               |
|                                     | Engine X20DTH           |
| Vectra B 2.0 DTi 16V                | 2000-2002               |
|                                     | Engine Y20DTH           |
| Vectra B 2.2 DTi 16V                | 2001-2002               |
|                                     | Engine Y22DTR           |
| <b>Omega A</b>                      |                         |
| Omega A 1.8N                        | 1986-1988               |
|                                     | Engine 18NV             |
| Omega A 1.8S                        | 1987-1990               |
|                                     | Engine E18NVR           |
| Omega A 1.8S                        | 1986-1988               |
|                                     | Engine 18SV             |
| Omega A 1.8i                        | 1986-1993               |
|                                     | Engine 18SEH            |
| Omega A 2.0i (85 kW)                | 1986-1993               |
|                                     | Engine C20NE            |
| Omega A 2.0i (90 kW)                | 1986-1988               |
|                                     | Engine 20SE             |
| Omega A 2.4i                        | 1988-1993               |
|                                     | Engine C24NE            |
| Omega A 2.6i                        | 1990-1993               |
|                                     | Engine C26NE            |
| Omega A 3.0i (115 kW)               | 1986-1988               |
|                                     | Engine C30LE            |
| Omega A 3000 (115 kW)               | 1986-1988               |
|                                     | Engine C30LE            |
| Omega A 3.0i (130 kW)               | 1986-1990               |
|                                     | Engine 30NE             |
| Omega A 3000 (130 kW)               | 1986-1990               |
|                                     | Engine 30NE             |
| Omega A 3.0i with catalyst (130 kW) | 1989-1993               |
|                                     | Engine C30NE            |

|           |  |
|-----------|--|
|           | Omega A 3000 with catalyst (130 kW) 1989-1993<br>Engine C30NE    |
|           | Omega A 3.0i 24V (147 kW) 1990-1993<br>Engine C30SEJ             |
|           | Omega A 3000 24V (150 kW) 1989-1993<br>Engine C30SEJ             |
|           | Omega Evolution 500 1991-1993<br>Engine C30XEI                   |
|           | Omega A 2.3 D (54 kW) 1986-1988<br>Engine 23YD                   |
|           | Omega A 2.3 D (54 kW) 1988-1993<br>Engine 23YD                   |
|           | Omega A 2.3 TD (66 kW) 1986-1988<br>Engine 23YDT                 |
|           | Omega A 2.3 TD (74 kW) 1988-1993<br>Engine 23DTR<br>Engine 23YDT |
| Omega B   | Omega B 2.0i 1994-1999<br>Engine X20SE - 20SE                    |
|           | Omega B 2.0i 16V 1994-2000<br>Engine X20XEV                      |
|           | Omega B 2.0i 16V 2001-2003<br>Engine X20XEV                      |
|           | Omega B 2.2i 16V 1999-2000<br>Engine Y22XE                       |
|           | Omega B 2.2i 16V 2000-2001<br>Engine Y22XE                       |
|           | Omega B 2.2i 16V 2001-2003<br>Engine Z22XE                       |
|           | Omega B 2.5i V6 1994-2000<br>Engine X25XE                        |
|           | Omega B 2.5i V6 2000-2001<br>Engine X25XE                        |
|           | Omega B 2.6i V6 2001-2003<br>Engine Y26SE                        |
|           | Omega B 3.0i V6 1994-1998<br>Engine X30XE                        |
|           | Omega B 3.0i V6 1998-2000<br>Engine X30XE                        |
|           | Omega B 3.0i V6 2000-2003<br>Engine X30XE                        |
|           | Omega B 3.2i V6 2001-2003<br>Engine Y32SE                        |
|           | Omega B 2.0 DTi 16V (74 kW) 1997-1999<br>Engine X20DTH           |
|           | Omega B 2.0 DTi 16V (74 kW) 1999-2000<br>Engine X20DTH           |
|           | Omega B 2.2 DTi 16V (81 kW) 2001-2003<br>Engine Y22DTH           |
|           | Omega B 2.2 DTi 16V (88 kW) 2001-2003<br>Engine Y22DTH           |
|           | Omega B 2.5 TD (96 kW) 1994-1999<br>Engine 25DT - X25DT          |
|           | Omega B 2.5 TD (96 kW) 1999-2001<br>Engine 25DT - X25DT          |
|           | Omega B 2.5 TD 24V (110 kW) 2001-2003<br>Engine Y25DT            |
| Senator A | Senator 2.0 1983-1987<br>Engine 20E                              |
|           | Senator 2.5 1983-1987<br>Engine 25E                              |
|           | Senator 3.0 1983-1987<br>Engine 30E                              |
| Senator B | Senator 2.5i 1987-1993<br>Engine 25NE                            |
|           | Senator 2.6i 1990-1993<br>Engine C26NE                           |
|           | Senator 3.0i 1987-1993<br>Engine 30NE                            |
|           | Senator 3.0i 24V 1989-1993<br>Engine C30SE                       |
| Zafira A  | Zafira 1.6-16V 1999-2000<br>Engine X16XEL                        |
|           | Zafira 1.6-16V 2001-2005<br>Engine Z16XE                         |
|           | Zafira 1.8-16V 1999-2000<br>Engine X18XE1                        |
|           | Zafira 1.8-16V 2001-2005   |

|                    |                                  |
|--------------------|----------------------------------|
|                    | Engine Z18XE1                    |
| Zafira OPC         | 2002-2005                        |
|                    | Engine Z20LET                    |
| Zafira 2.2-16V     | 2001-2005                        |
|                    | Engine Z22XE                     |
| Zafira 2.0 Di-16V  | 1999-2000                        |
|                    | Engine X20DTL                    |
| Zafira 2.0 DTi-16V | 2000-2005                        |
|                    | Engine Y20DTH                    |
| Zafira 2.2 DTi-16V | 2002-2005                        |
|                    | Engine Y22DTR                    |
| <b>Frontera</b>    |                                  |
| Frontera 2.0i      | 1992-1995                        |
|                    | Engine C20NE                     |
|                    | Transmission, manual/transferbox |
| Frontera 2.0i      | 1995-1998                        |
|                    | Engine X20SE                     |
|                    | Transmission, manual/transferbox |
| Frontera 2.2i      | 1995-1998                        |
|                    | Engine X22XE                     |
|                    | Transmission, manual             |
|                    | Transferbox                      |
| Frontera 2.4i      | 1992-1995                        |
|                    | Engine C24NE                     |
|                    | Transmission, manual             |
|                    | Transferbox                      |
| Frontera 2.3 TD    | 1992-1995                        |
|                    | Engine 23 DTR                    |
|                    | Transmission, manual             |
|                    | Transferbox                      |
| Frontera 2.5 TD    | 1996-1998                        |
|                    | Transmission, manual             |
|                    | Transferbox                      |
| Frontera 2.8 TD    | 1995-1996                        |
|                    | Transmission, manual             |
|                    | Transferbox                      |
| Frontera B 2.2 16V | 1998-2001                        |
|                    | Engine X22SE                     |
|                    | Transmission, manual             |
|                    | Transferbox                      |
| Frontera B 2.2 16V | 2001-2004                        |
|                    | Transmission, manual             |
|                    | Engine Y22SE                     |
|                    | Transferbox                      |
| Frontera B 3.2 24V | 1998-2000                        |
|                    | Engine 6VD1-W                    |
|                    | Transmission, manual             |
|                    | Transferbox                      |
| Frontera B 3.2 24V | 2000-2004                        |
|                    | Engine 6VD1                      |
|                    | Transmission, manual             |
|                    | Transferbox                      |
| Frontera B 2.2 DTi | 1998-2004                        |
|                    | Engine X22DTH                    |
|                    | Transmission, manual             |
|                    | Transferbox                      |
| <b>Monterey</b>    |                                  |
| Monterey 3.2 V6    | 1992-1998                        |
|                    | Engine 6VD1                      |
|                    | Transmission, manual MUA5CT      |
|                    | Transferbox                      |
| Monterey 3.5 V6    | 1998-2000                        |
|                    | Engine 6VE1                      |
|                    | Transmission, manual MUA5CT      |
|                    | Transferbox                      |
| Monterey 3.0 TD    | 1998-2000                        |
|                    | Engine 4JX1                      |
|                    | Transmission, manual MUA5CT      |
|                    | Transferbox                      |
| Monterey 3.1 TD    | 1992-1998                        |
|                    | Engine 4JG2                      |
|                    | Transmission, manual MUA5CT      |
|                    | Transferbox                      |
| <b>Sintra</b>      |                                  |
| Sintra 2.2         | 1996-1999                        |
|                    | Engine X22XE                     |
| Sintra 3.0         | 1996-1999                        |
|                    | Engine X30XE                     |
| Sintra 2.2 DTi     | 1997-1999                        |
|                    | Engine X22DTH                    |
| <b>Tigra</b>       |                                  |
| Tigra 1.4i-16V     | 1994-2000                        |

# Lubricant Report



|           |                            |                  |
|-----------|----------------------------|------------------|
|           |                            | Engine X14XE     |
|           | Tigra 1.6i-16V             | 1994-2000        |
|           |                            | Engine X16XE     |
| Manta B   |                            |                  |
|           | Manta 1.3                  | 1982-1983        |
|           |                            | Engine 13S, 13SC |
|           | Manta 1.3                  | 1983-1988        |
|           |                            | Engine 13S, 13SC |
|           | Manta 1.8                  | 1982-1983        |
|           |                            | Engine 18S       |
|           | Manta 1.8                  | 1983-1987        |
|           |                            | Engine 18S       |
|           | Manta 1.8                  | 1987-1988        |
|           |                            | Engine 18S       |
|           | Manta 2.0                  | 1982-1983        |
|           |                            | Engine 20S, 20E  |
|           | Manta 2.0                  | 1983-1987        |
|           |                            | Engine 20S, 20E  |
|           | Manta 2.0E                 | 1987-1988        |
|           |                            | Engine 20E       |
| Calibra   |                            |                  |
|           | Calibra 2.0i               | 1990-1998        |
|           |                            | Engine C20NE     |
|           | Calibra 2.0i 4x4           | 1990-1994        |
|           |                            | Engine C20NE     |
|           | Calibra 2.0i 4x4           | 1994-1998        |
|           |                            | Engine C20NE     |
|           | Calibra 2.0i 16V           | 1990-1994        |
|           |                            | Engine C20XE     |
|           | Calibra 2.0i 16V           | 1994-1998        |
|           |                            | Engine X20XE     |
|           | Calibra 2.0i 16V 4x4       | 1990-1994        |
|           |                            | Engine C20XE     |
|           | Calibra 2.0i 16V 4x4       | 1994-1998        |
|           |                            | Engine X20XE     |
|           | Calibra 2.0i 16V Turbo 4x4 | 1992-1994        |
|           |                            | Engine C20LET    |
|           | Calibra 2.0i 16V Turbo 4x4 | 1994-1998        |
|           |                            | Engine C20LET    |
|           | Calibra 2.5i V6            | 1993-1998        |
|           |                            | Engine C25XE     |
| Monza     |                            |                  |
|           | Monza 2.0                  | 1983-1987        |
|           |                            | Engine 20E       |
|           | Monza 2.5                  | 1983-1987        |
|           |                            | Engine 25E       |
|           | Monza 3.0                  | 1983-1987        |
|           |                            | Engine 30E       |
| Speedster |                            |                  |
|           | Speedster 2.0 16V Turbo    | 2003-2005        |
|           |                            | Engine Z20LET    |
|           | Speedster 2.2 16V          | 2001-2005        |
|           |                            | Engine Z22SE/XE  |
| Perodua   |                            |                  |
|           | Kelisa                     | 2002-2005        |
|           |                            | Engine EJ-DE     |
|           | Kelisa                     | 2005-            |
|           |                            | Engine EJ-VE     |
| Peugeot   |                            |                  |
|           | 106                        |                  |
|           | 106 1.0                    | 1991-1993        |
|           |                            | Engine TU9       |
|           | 106 1.0                    | 1993-1995        |
|           |                            | Engine TU9       |
|           | 106 1.0                    | 1995-1998        |
|           |                            | Engine TU1       |
|           | 106 1.0                    | 1999-2004        |
|           |                            | Engine TU9M      |
|           | 106 1.1                    | 1991-1993        |
|           |                            | Engine TU1       |
|           | 106 1.1                    | 1993-1996        |
|           |                            | Engine TU1       |
|           | 106 1.1                    | 1996-1998        |
|           |                            | Engine TU1       |
|           | 106 1.1                    | 1999-2004        |
|           |                            | Engine TU1M+     |
|           | 106 1.3 Rallye             | 1991-1993        |
|           |                            | Engine TU2       |
|           | 106 1.3 Rallye             | 1993-1995        |
|           |                            | Engine TU2       |
|           | 106 1.3 Rallye             | 1995-1996        |

|                  |                  |                                       |
|------------------|------------------|---------------------------------------|
|                  |                  | Engine TU2                            |
| 106 1.4          | 1991-1993        | Engine TU3                            |
| 106 1.4          | 1993-1995        | Engine TU3                            |
| 106 1.4          | 1995-1996        | Engine TU3                            |
| 106 1.4          | 1996-1998        | Engine TU3                            |
| 106 1.4          | 1999-2004        | Engine TU3JP                          |
| 106 1.6          | 1994-1995        | Engine TU5                            |
| 106 1.6          | 1995-1998        | Engine TU5JP                          |
|                  |                  | Engine TU5                            |
| 106 1.6 Rallye   | 1996-1998        | Engine TU5J2                          |
| 106 1.6 16V, S16 | 1996-1998        | Engine TU5J4                          |
| 106 GTI 1.6 16V  | 1999-2004        | Engine TU5J4                          |
| 106 1.4 D        | 1992-1994        | Engine TUD3                           |
| 106 1.5 D        | 1994-1996        | Engine TUD5                           |
| 106 1.5 D        | 1996-1998        | Engine TUD5                           |
| 106 1.5 D        | 1999-2004        | Engine TUD5B                          |
| 107              |                  |                                       |
|                  | 107 1.0          | 2005-2008                             |
|                  |                  | Engine 1KR-FE                         |
|                  | 107 1.4 HDi      | 2005-2008                             |
|                  |                  | Engine DV4TD                          |
| 1007             |                  |                                       |
|                  | 1007 1.4         | 2005-2009                             |
|                  |                  | Engine TU3JP                          |
|                  | 1007 1.4 16V     | 2005-2009                             |
|                  |                  | Engine ET3J4                          |
|                  | 1007 1.6 16V     | 2005-2009                             |
|                  |                  | Engine TU5JP4                         |
|                  | 1007 1.4 HDi     | 2005-2008                             |
|                  |                  | Engine DV4TD                          |
|                  | 1007 1.6 HDi     | 2007-2009                             |
|                  |                  | Engine DV6TED4                        |
| 205              |                  |                                       |
|                  | 205 1.0          | 1988-1993                             |
|                  |                  | Engine TU                             |
|                  | 205 1.1          | 1988-1996                             |
|                  |                  | Engine TU                             |
|                  | 205 1.3          | 1987-1991                             |
|                  |                  | Engine G1                             |
|                  | 205 1.3 Rallye   | 1987-1993                             |
|                  |                  | Engine TU24/K                         |
|                  | 205 1.4          | 1987-1991                             |
|                  |                  | Engine TU3A, TU3F2/K, TU3FM/L, TU3S/K |
|                  | 205 1.4          | 1991-1998                             |
|                  |                  | Engine TU3                            |
|                  | 205 1.4          | 1999-1999                             |
|                  |                  | Engine TU3JP                          |
|                  | 205 1.6          | 1988-1996                             |
|                  |                  | Engine XU51C/K, XU5M3/L               |
|                  |                  | Engine J2/K                           |
|                  | 205 1.6 GTi, CTi | 1984-1992                             |
|                  |                  | Engine XU5JA/K                        |
|                  | 205 1.9 GTi, CTi | 1986-1994                             |
|                  |                  | Engine XU9JA/K/L                      |
|                  | 205 1.9          | 1989-1991                             |
|                  |                  | Engine XU9J1/L                        |
|                  | 205 1.8 D        | 1983-1992                             |
|                  |                  | Engine XUD                            |
|                  | 205 1.8 D        | 1993-1994                             |
|                  |                  | Engine XUD                            |
|                  | 205 1.8 D        | 1995-1999                             |
|                  |                  | Engine XUD                            |
|                  | 205 1.8 TD       | 1990-1996                             |
|                  |                  | Engine XUD7T/L                        |
|                  | 205 1.9 D        | 1988-1996                             |
|                  |                  | Engine XUD9/Y                         |
| 206              |                  |                                       |
|                  | 206 1.1          | 1998-1998                             |

|                         |           |                  |
|-------------------------|-----------|------------------|
|                         |           | Engine TU1JP/L3  |
| 206 1.1                 | 1999-2005 | Engine TU1JP/L3  |
| 206 1.4                 | 1998-1998 | Engine TU3JP     |
| 206 1.4                 | 1999-2009 | Engine TU3JP     |
| 206 1.4 16V             | 2003-2005 | Engine ET3J4     |
| 206 1.6                 | 1998-1998 | Engine TU5JP/L3  |
| 206 1.6                 | 1999-2000 | Engine TU5JP/L3  |
| 206 1.6 16V             | 2001-2009 | Engine TU5JP4/L3 |
| 206 2.0 16V             | 1998-1998 | Engine EW10J4/L4 |
| 206 2.0 16V             | 1999-2005 | Engine EW10J4/L4 |
| 206 1.4 HDi             | 2001-2009 | Engine DV4TD     |
| 206 1.9 D               | 1998-1998 | Engine DW8       |
| 206 1.9 D               | 1999-2001 | Engine DW8       |
| 206 2.0 HDi             | 1999-2005 | Engine DW10TD    |
| 206 CC                  |           |                  |
| 206 CC 1.6 16V          | 2000-2008 | Engine TU5JP4/L3 |
| 206 CC 2.0 16V          | 2000-2008 | Engine EW10J4/L4 |
| 207                     |           |                  |
| 207 1.4                 | 2006-2009 | Engine TU3A      |
| 207 1.4 16V             | 2006-2009 | Engine ET3J4     |
| 207 1.6 16V             | 2006-2007 | Engine TU5JP4    |
| 207 1.4 HDi             | 2006-2009 | Engine DV4TD     |
| 207 1.6 HDi 16V (66 kW) | 2006-2009 | Engine DV6ATED4  |
| 207 1.6 HDi 16V (80 kW) | 2006-2009 | Engine DV6TED4   |
| 306                     |           |                  |
| 306 1.1                 | 1993-1993 | Engine TU1       |
| 306 1.1                 | 1994-1994 | Engine TU1M      |
| 306 1.1                 | 1995-1997 | Engine TU1M      |
| 306 1.4                 | 1992-1993 | Engine TU3M      |
| 306 1.4                 | 1994-1994 | Engine TU3MC     |
| 306 1.4                 | 1995-1996 | Engine TU3FM     |
| 306 1.4                 | 1997-1998 | Engine TU3JP     |
| 306 1.4                 | 1999-2003 | Engine TU3JP     |
| 306 1.6                 | 1992-1993 | Engine TU5JP     |
| 306 1.6                 | 1994-1994 | Engine TU5JP     |
| 306 1.6                 | 1995-1998 | Engine TU5JP     |
| 306 1.6                 | 1999-2000 | Engine TU5JP     |
| 306 1.6 16V             | 2001-2003 | Engine TU5JP4/L3 |
| 306 1.8                 | 1993-1994 | Engine XU7JP     |
| 306 1.8                 | 1994-1994 | Engine XU7JP     |
| 306 1.8                 | 1995-1996 | Engine XU7JP     |
| 306 1.8                 | 1997-1998 | Engine XU7JP     |
| 306 1.8                 | 1999-2000 | Engine XU7JP     |

|     |                              |           |                                      |
|-----|------------------------------|-----------|--------------------------------------|
|     | 306 1.8 16V                  | 1997-1998 | Engine XU7JP4                        |
|     | 306 1.8 16V                  | 1999-2002 | Engine XU7JP4                        |
|     | 306 2.0                      | 1993-1996 | Engine XU10J2C                       |
|     | 306 1.8 D                    | 1993-1994 | Engine XUD7 (161A)                   |
|     | 306 1.9 D                    | 1993-1993 | Engine XUD9A                         |
|     | 306 1.9 D                    | 1994-1994 | Engine XUD9A                         |
|     | 306 1.9 D                    | 1995-1998 | Engine XUD9A                         |
|     | 306 1.9 D                    | 1999-2001 | Engine DW8                           |
|     | 306 1.9 TD                   | 1993-1993 | Engine XUD9TE                        |
|     | 306 1.9 TD                   | 1994-1994 | Engine XUD9TE                        |
|     | 306 1.9 TD                   | 1995-1997 | Engine XUD9TE                        |
|     | 306 1.9 TD                   | 1998-1998 | Engine XUD9BTF                       |
|     | 306 2.0 HDi                  | 1999-2001 | Engine DW10TD                        |
| 307 | 307 1.4                      | 2001-2003 | Engine TU3JP                         |
|     | 307 1.4 16V                  | 2003-2009 | Engine ET3J4                         |
|     | 307 1.6 16V                  | 2001-2009 | Engine TU5JP4                        |
|     | 307 2.0 16V                  | 2001-2005 | Engine EW10J4                        |
|     | 307 1.4 HDi                  | 2001-2005 | Engine DV4TD                         |
|     | 307 1.6 HDi 16V (66 kW)      | 2005-2009 | Engine DV6TED4                       |
|     | 307 2.0 HDi (66 kW)          | 2001-2005 | Engine DW10TD                        |
|     | 307 2.0 HDi (80 kW)          | 2001-2004 | Engine DW10ATED                      |
|     | 307 2.0 HDi 16V DPF (100 kW) | 2004-2005 | Engine DW10BTED4                     |
|     | 307 2.0 HDi 16V DPF (100 kW) | 2005-2009 | Engine DW10BTED4                     |
| 308 | 308 1.6 HDi (66 kW)          | 2007-2009 | Engine DV6ATED4                      |
| 309 | 309 1.1                      | 1989-1993 | Engine TU1M                          |
|     | 309 1.1                      | 1985-1988 | Engine E1A                           |
|     | 309 1.3                      | 1985-1989 | Engine G1A                           |
|     | 309 1.4                      | 1988-1993 | Engine TU3A/M/F2                     |
|     | 309 1.6                      | 1985-1993 | Engine XU5                           |
|     | 309 1.9                      | 1985-1993 | Engine XU9                           |
|     | 309 1.9 GTi                  | 1989-1993 | Engine XU9JA                         |
|     | 309 1.9 GTi 16V              | 1989-1993 | Engine XU9J4                         |
|     | 309 1.8 TD                   | 1989-1993 | Engine XUD7T/K/L                     |
|     | 309 1.9 D                    | 1986-1993 | Engine XUD9/Y                        |
| 405 | 405 1.4                      | 1987-1992 | Engine TU3/A                         |
|     | 405 1.4                      | 1992-1993 | Engine TU3F2/K, TU3MC/L/Z            |
|     | 405 1.4                      | 1993-1996 | Engine TU3F2/K, TU3MC/L/Z            |
|     | 405 1.6                      | 1987-1992 | Engine XU5 1C                        |
|     | 405 1.6                      | 1992-1993 | Engine XU52C/K, XU5M3/L/Z, XU5JP/L/Z |



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|           |                      |           |                                      |
|-----------|----------------------|-----------|--------------------------------------|
|           | 405 1.6              | 1993-1996 | Engine XU52C/K ,XU5M3/L/Z, XU5JP/L/Z |
|           | 405 1.8              | 1992-1993 | Engine XU7JP/L/Z                     |
|           | 405 1.8              | 1993-1996 | Engine XU7JP/L/Z                     |
|           | 405 1.9              | 1992-1993 | Engine XU92C/K, XU9J2/K              |
|           | 405 1.9              | 1993-1996 | Engine XU92C/K, XU9J2/K              |
|           | 405 1.9 X4           | 1989-1990 | Engine XU92C                         |
|           | 405 SRi              | 1987-1992 | Engine XU9J2                         |
|           | 405 2.0 X4           | 1992-1993 | Engine XU10J2C/L/Z                   |
|           | 405 2.0 X4           | 1993-1996 | Engine XU10J2C/L/Z                   |
|           | 405 MI-16            | 1987-1992 | Engine XU9J4                         |
|           | 405 MI-16            | 1992-1996 | Engine XU10J4/L/Z                    |
|           | 405 MI-16 X4         | 1989-1992 | Engine XU9J4                         |
|           | 405 T-16             | 1992-1996 | Engine XU10J4TEZ                     |
|           | 405 1.8 TD           | 1988-1992 | Engine XUD7TE/K/Y                    |
|           | 405 1.9 D            | 1988-1996 | Engine XUD9A/L XUD9/Y                |
|           | 405 1.9 TD           | 1992-1996 | Engine XUD9TE/L, XUD9TE/Y            |
| 406       | 406 1.6              | 1996-1998 | Engine XU5JP (Z) (L3)                |
|           | 406 1.8              | 1998-1998 | Engine XU7JB                         |
|           | 406 1.8              | 1999-2004 | Engine XU7JB                         |
|           | 406 1.8 16V          | 1996-1998 | Engine XU7JP4                        |
|           | 406 1.8 16V          | 1999-2000 | Engine XU7JP4                        |
|           | 406 1.8 16V          | 2001-2004 | Engine EW7J4                         |
|           | 406 2.0 16V          | 2001-2004 | Engine EW10J4                        |
|           | 406 2.0 Turbo        | 1997-1999 | Engine XU10J2TE                      |
|           | 406 2.2 16V          | 2000-2004 | Engine EW12J4                        |
|           | 406 3.0 V6 24V       | 1996-1998 | Engine ES9J4                         |
|           | 406 3.0 V6 24V       | 1999-2004 | Engine ES9J4S                        |
|           | 406 1.9 TD           | 1996-1998 | Engine XUD9BTF/XUD9TF                |
|           | 406 1.9 TD (55 kW)   | 1998-1999 | Engine XUD9SD                        |
|           | 406 1.9 TD (68 kW)   | 1998-1999 | Engine XUD9BTF/XUD9TF                |
|           | 406 2.0 HDi (66 kW)  | 1998-1998 | Engine DW10TD/9TF                    |
|           | 406 2.0 HDi (66 kW)  | 1999-2004 | Engine DW10TD/9TF                    |
|           | 406 2.0 HDi (80 kW)  | 1998-1998 | Engine DW10ATED/L3                   |
|           | 406 2.0 HDi (80 kW)  | 1999-2004 | Engine DW10ATED/L3                   |
|           | 406 2.1 TD 12V       | 1996-1998 | Engine XUD11BTE                      |
|           | 406 2.2 HDi          | 2000-2004 | Engine DW12TED4                      |
| 406 Coupé | 406 Coupé 2.0 16V    | 1997-2004 | Engine EW10J4                        |
|           | 406 Coupé 2.2 16V    | 2000-2004 | Engine EW12J4                        |
|           | 406 Coupé 3.0 V6 24V | 1996-1999 | Engine ES9J4                         |
|           | 406 Coupé 3.0 V6 24V | 1999-1999 | Engine ES9J4                         |

|     |                                |
|-----|--------------------------------|
|     | 406 Coupé 3.0 V6 24V 2000-2004 |
|     | Engine ES9J4S                  |
|     | 406 Coupé 2.2 HDi 2001-2004    |
|     | Engine DW12TED4                |
| 407 |                                |
|     | 407 1.8 16V KOX 2004-2007      |
|     | Engine EW7J4                   |
|     | 407 2.0 16V KOX 2004-2009      |
|     | Engine EW10J4                  |
|     | 407 2.2 16V KOX 2004-2009      |
|     | Engine EW12J4                  |
|     | 407 3.0 V6 24V KOX 2004-2009   |
|     | Engine ES9A                    |
| 505 |                                |
|     | 505 1.8 1985-1991              |
|     | Engine XM7A                    |
|     | Transmission, manual           |
|     | 505 2.0 1985-1991              |
|     | Engine XN1A                    |
|     | Transmission, manual           |
|     | 505 Injection 1985-1991        |
|     | Engine ZDJ-L                   |
|     | Transmission, manual           |
|     | 505 Turbo Injection 1985-1988  |
|     | Engine N9-TE                   |
|     | Transmission, manual           |
|     | 505 V6 1986-1989               |
|     | Engine ZN3JK                   |
|     | Transmission, manual           |
|     | 505 D 2.5 1985-1991            |
|     | Engine XD3                     |
|     | Transmission, manual           |
|     | 505 TD 2.5 1985-1990           |
|     | Engine XD3T, ZXD3TE            |
|     | Transmission, manual           |
| 605 |                                |
|     | 605 2.0 1989-1992              |
|     | Engine XU102C/K                |
|     | Engine XU10J2/K, XU10J2/L/Z    |
|     | 605 2.0 1992-1994              |
|     | Engine XU10J2C                 |
|     | 605 2.0 1994-1999              |
|     | Engine XU10J2C                 |
|     | 605 2.0 16V 1995-2001          |
|     | Engine XU10J4R                 |
|     | 605 2.0 Turbo 1992-1994        |
|     | Engine XU10J2TE/L/Z            |
|     | 605 2.0 Turbo 1994-1995        |
|     | Engine XU10J2TE/L              |
|     | 605 2.0 Turbo 1995-2001        |
|     | Engine XU10J4R                 |
|     | 605 2.9 V6 24V 1999-2001       |
|     | Engine ES9J4                   |
|     | 605 3.0 V6 1989-1994           |
|     | Engine ZPJ/K/L/Z               |
|     | 605 3.0 V6 1994-1995           |
|     | Engine ZPJ/K/L/Z               |
|     | 605 3.0 V6 1995-1997           |
|     | Engine ZPJ                     |
|     | 605 3.0 V6 24V 1989-1994       |
|     | Engine ZPJ4/L/Z                |
|     | 605 3.0 V6 24V 1994-1995       |
|     | Engine ZPJ4/L/Z                |
|     | 605 3.0 V6 24V 1995-1997       |
|     | Engine ZPJ4                    |
|     | 605 2.1 D 1990-1995            |
|     | Engine XUD11A                  |
|     | 605 2.1 TD 1990-1995           |
|     | Engine XUD11A/XUD11ATE         |
|     | 605 2.1 TD 1995-1997           |
|     | Engine XUD11ATE                |
|     | 605 2.1 TD 1996-1998           |
|     | Engine XUD11BTE                |
|     | 605 2.1 TD 1999-1999           |
|     | Engine XUD11BTE                |
|     | 605 2.4 TD 1995-1998           |
|     | Engine DK5ATE                  |
|     | 605 2.4 TD 1999-1999           |
|     | Engine DK5ATE                  |
| 607 |                                |
|     | 607 2.0 16V 2000-2005          |
|     | Engine EW10J4                  |

|              |                      |           |                       |
|--------------|----------------------|-----------|-----------------------|
|              | 607 2.2 16V          | 2000-2005 | Engine EW12J4         |
|              | 607 2.2 16V          | 2005-2009 | Engine EW12J4         |
|              | 607 3.0 V6 24V       | 2000-2005 | Engine ES9J4S         |
|              | 607 3.0 V6 24V       | 2005-2009 | Engine ES9A           |
|              | 607 2.0 HDi          | 2000-2005 | Engine DW10ATED       |
|              | 607 2.0 HDi DPF      | 2000-2005 | Engine DW10ATED       |
|              | 607 2.0 HDi 16V DPF  | 2005-2009 | Engine DW10BTED4      |
|              | 607 2.2 HDi 16V      | 2000-2005 | Engine DW12TED4       |
|              | 607 2.2 HDi 16V DPF  | 2000-2005 | Engine DW12TED4       |
|              | 607 2.2 HDi 16V DPF  | 2005-2009 | Engine DW12BTED4      |
|              | 607 2.7 HDi 24V DPF  | 2005-2009 | Engine DT17TED4       |
| 806          | 806 1.8i             | 1998-1998 | Engine XU7JP          |
|              | 806 1.8i             | 1999-1999 | Engine XU7JP          |
|              | 806 2.0i             | 1993-1993 | Engine XU10J2C        |
|              | 806 2.0i             | 1994-1994 | Engine XU10J2C        |
|              | 806 2.0i             | 1995-1998 | Engine XU10J2C        |
|              | 806 2.0 16V          | 2001-2002 | Engine EW10J4         |
|              | 806 2.0i Turbo       | 1993-1993 | Engine XU10J2CTE      |
|              | 806 2.0i Turbo       | 1994-1994 | Engine XU10J2CTE      |
|              | 806 2.0i Turbo       | 1995-1998 | Engine XU10J2CTE      |
|              | 806 1.9 TD           | 1994-1994 | Engine XUD9TF/XUD9BTF |
|              | 806 1.9 TD           | 1995-1998 | Engine XUD9TF/XUD9BTF |
|              | 806 1.9 TD           | 1999-2000 | Engine XUD9TF/XUD9BTF |
|              | 806 2.0 HDi          | 1999-2001 | Engine DW10ATED/L3    |
|              | 806 2.1 TD 12V       | 1996-1998 | Engine XUD11BTE       |
|              | 806 2.1 TD 12V       | 1999-1999 | Engine XUD11BTE       |
| 807          | 807 2.0 16V          | 2002-2008 | Engine EW10J4         |
|              | 807 2.2 16V          | 2002-2005 | Engine EW12J4         |
|              | 807 3.0 V6 24V       | 2002-2006 | Engine ES9J4S         |
|              | 807 2.0 HDiF 16V DPF | 2002-2004 | Engine DW10BTED4      |
|              | 807 2.0 HDiF 16V DPF | 2004-2006 | Engine DW10BTED4      |
|              | 807 2.2 HDi 16V      | 2002-2004 | Engine DW12TED4       |
|              | 807 2.2 HDiF 16V DPF | 2002-2004 | Engine DW12TED4       |
|              | 807 2.2 HDiF 16V DPF | 2004-2006 | Engine DW12TED4       |
| 4007         | 4007 2.4             | 2007-2009 | Engine Mivec 4B12     |
| Bipper Tepee | Bipper Tepee 1.4i    | 2007-2009 | Engine TU3A           |
|              | Bipper Tepee 1.4 HDi | 2007-2009 | Engine DV4TED         |
| Partner      | Partner 1.1          | 2002-2007 | Engine TU1            |
|              | Partner 1.4          | 2002-2007 |                       |

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|         |                              |                    |
|---------|------------------------------|--------------------|
|         |                              | Engine TU3JP       |
|         | Partner 1.4 CNG              | 2007-2008          |
|         |                              | Engine TU3JP (CNG) |
|         | Partner 1.6 16V              | 2002-2009          |
|         |                              | Engine TU5JP4      |
|         | Partner 1.6 HDi 16V (55 kW)  | 2005-2007          |
|         |                              | Engine DV6ATED4    |
|         | Partner 1.6 HDi 16V (66 kW)  | 2005-2007          |
|         |                              | Engine DV6BTED4    |
|         | Partner 1.9 D                | 2002-2005          |
|         |                              | Engine DW8         |
|         | Partner 2.0 HDi              | 2002-2005          |
|         |                              | Engine DW10TD      |
|         | Expert Tepee                 |                    |
|         | Expert Tepee 1.6 HDi         | 2007-2009          |
|         |                              | Engine DV6UTED4    |
|         | Expert Tepee 2.0 HDi (88 kW) | 2007-2009          |
|         |                              | Engine DW10UTED4   |
| Porsche |                              |                    |
|         | 911                          |                    |
|         | 911 Carrera                  | 1993-1995          |
|         |                              | Engine M64.05/06   |
|         | 911 Carrera (S)              | 1996-1998          |
|         |                              | Engine             |
|         | 911 Carrera 4                | 1993-1995          |
|         |                              | Engine M64.05/06   |
|         | 911 Carrera 4                | 1996-1998          |
|         |                              | Engine             |
|         | 911 Carrera 4S               | 1996-1998          |
|         |                              | Engine             |
|         | 911 Turbo                    | 1995-1998          |
|         |                              | Engine             |
|         | 911 Carrera RS               | 1995-1998          |
|         |                              | Engine             |
|         | 911 GT2                      | 1996-1998          |
|         |                              | Engine             |
| Proton  |                              |                    |
|         | Persona / Persona Compact    |                    |
|         | Persona, Compact 1.3         | 1996-2006          |
|         |                              | Engine 4G13        |
|         | Persona, Compact 1.5         | 1993-2006          |
|         |                              | Engine 4G15        |
|         | Persona, Compact 1.6         | 1993-2006          |
|         |                              | Engine 4G92        |
|         | Savvy                        |                    |
|         | Savvy 1.2                    | 2005-              |
|         |                              | Engine D4F         |
|         | GEN-2 / Persona              |                    |
|         | GEN-2 / Persona 1.3          | 2004-              |
|         |                              | Engine S4PE        |
|         | GEN-2 / Persona 1.6          | 2004-              |
|         |                              | Engine S4PH        |
|         | GEN-2 / Persona 1.6 ecologic | 2004-              |
|         |                              | Engine S4PH LPG    |
|         | Satria Neo                   |                    |
|         | Satria Neo 1.3               | 2006-              |
|         |                              | Engine S4PE        |
|         | Satria Neo 1.6               | 2006-              |
|         |                              | Engine S4PH        |
|         | Waja / Impian                |                    |
|         | Waja / Impian 1.6            | 2006-              |
|         |                              | Engine S4PH        |
| Renault |                              |                    |
|         | Twingo                       |                    |
|         | Twingo                       | 1993-1996          |
|         |                              | Engine C3G         |
|         | Twingo                       | 1996-1998          |
|         |                              | Engine D7F         |
|         | Twingo 1.2                   | 1998-2000          |
|         |                              | Engine D7F         |
|         | Twingo 1.2                   | 2001-2007          |
|         |                              | Engine D7F         |
|         | Twingo 1.2 16V               | 2001-2007          |
|         |                              | Engine D4F         |
|         | Modus                        |                    |
|         | Modus 1.2 16V (48 kW)        | 2005-2008          |
|         |                              | Engine D4F         |
|         | Modus 1.2 16V (55 kW)        | 2005-2008          |
|         |                              | Engine D4F         |
|         | Modus 1.4 16V                | 2004-2008          |
|         |                              | Engine K4J         |
|         | Modus 1.6 16V                | 2004-2008          |

|         |                                   |
|---------|-----------------------------------|
|         | Engine K4M                        |
|         | Modus 1.5 DCi (48 kW) 2004-2005   |
|         | Engine K9K                        |
|         | Modus 1.5 DCi (57 kW) 2004-2005   |
|         | Engine K9K                        |
| Super 5 |                                   |
|         | 5 C, TC 1985-1994                 |
|         | Engine C1C                        |
|         | 5 L, TL 1985-1995                 |
|         | Engine C1E                        |
|         | 5 GTL 1985-1988                   |
|         | Engine C1J                        |
|         | 5 Automatic 1985-1990             |
|         | Engine C2J                        |
|         | 5 TS, GTS, TSE 1985-1990          |
|         | Engine C2J                        |
|         | 5 TD, GTD 1986-1996               |
|         | Engine F8MA-720                   |
|         | 5 GTX, Baccara 1988-1990          |
|         | Engine F2N                        |
|         | 5 GT turbo 1985-1990              |
|         | Engine C1J turbo                  |
| Clio    |                                   |
|         | Clio 1.1 1990-1996                |
|         | Engine C1E                        |
|         | Clio 1.2 1990-1996                |
|         | Engine E5F                        |
|         | Clio 1.2 1996-1998                |
|         | Engine D7F                        |
|         | Engine E5F                        |
|         | Clio 1.4 1990-1996                |
|         | Engine E6J                        |
|         | Clio 1.4 1996-1998                |
|         | Engine E6F, E7F                   |
|         | Clio 1.4 automatic 1990-1991      |
|         | Engine E6J                        |
|         | Clio 1.4 automatic 1991-1996      |
|         | Engine E7J                        |
|         | Clio 1.7 1990-1992                |
|         | Engine F2N                        |
|         | Clio 1.8 1991-1995                |
|         | Engine F3P 710                    |
|         | Clio 1.8 1996-1998                |
|         | Engine F3P                        |
|         | Clio 1.8 automatic 1994-1996      |
|         | Engine F3P 710/714                |
|         | Clio 1.8 16V 1991-1996            |
|         | Engine F7P 722                    |
|         | Clio RSi 1993-1996                |
|         | Engine F3P                        |
|         | Clio 1.8 RSi 1996-1998            |
|         | Engine F3P                        |
|         | Clio 2.0 16V Williams 1993-1996   |
|         | Engine F7R 700                    |
|         | Clio 1.9 D 1990-1996              |
|         | Engine F8Q                        |
|         | Clio 1.9 D 1996-1998              |
|         | Engine F8Q                        |
| Clio II |                                   |
|         | Clio II 1.2 1998-2000             |
|         | Engine D7F                        |
|         | Clio II 1.2 2001-2005             |
|         | Engine D7F                        |
|         | Clio II 1.2 16V 2001-2009         |
|         | Engine D4F                        |
|         | Clio II 1.4 1998-2000             |
|         | Engine E7J                        |
|         | Clio II 1.4 2001-2002             |
|         | Engine E7J                        |
|         | Clio II 1.4 16V 1999-2000         |
|         | Engine K4J                        |
|         | Clio II 1.4 16V 2001-2009         |
|         | Engine K4J                        |
|         | Clio II 1.6 1998-2000             |
|         | Engine K7M                        |
|         | Clio II 1.6 2001-2002             |
|         | Engine K7M                        |
|         | Clio II 1.6 16V 1998-2000         |
|         | Engine K4M                        |
|         | Clio II 1.6 16V 2001-2005         |
|         | Engine K4M                        |
|         | Clio II 1.5 dCi (44 kW) 2001-2005 |

|          |                                       |
|----------|---------------------------------------|
|          | Engine K9K                            |
|          | Clio II 1.5 dCi (59 kW) 2001-2005     |
|          | Engine K9K                            |
|          | Clio II 1.9 D 1998-2005               |
|          | Engine F8Q                            |
|          | Clio II 1.9 dTi 1999-2000             |
|          | Engine F9Q                            |
|          | Clio II 1.9 dTi 2001-2005             |
|          | Engine F9Q                            |
| Clio III |                                       |
|          | Clio III 1.2 16V 65 2005-2007         |
|          | Engine D4F                            |
|          | Clio III 1.2 16V 75 2005-2007         |
|          | Engine D4F                            |
|          | Clio III 1.4 16V 2005-2007            |
|          | Engine K4J                            |
|          | Clio III 1.6 16V 2005-2007            |
|          | Engine K4M                            |
|          | Clio III 2.0 16V 2006-2007            |
|          | Engine M4R                            |
|          | Clio III 1.5 dCi 70 2005-2009         |
|          | Engine K9K                            |
|          | Clio III 1.5 dCi 85 2005-2009         |
|          | Engine K9K                            |
|          | Clio III 1.5 dCi 105 2005-2009        |
|          | Engine K9K                            |
| Kangoo   |                                       |
|          | Kangoo 1.2 1997-2000                  |
|          | Engine D7F                            |
|          | Kangoo 1.2 2001-2003                  |
|          | Engine D7F                            |
|          | Kangoo 1.2 2003-2005                  |
|          | Engine D7F                            |
|          | Kangoo 1.2 16V 2003-2008              |
|          | Engine D4F                            |
|          | Kangoo 1.4 1997-2000                  |
|          | Engine E7J                            |
|          | Kangoo 1.4 2001-2003                  |
|          | Engine K7J                            |
|          | Kangoo 1.6 16V 4x4 2002-2003          |
|          | Engine K4M                            |
|          | Kangoo 1.6 16V 4x4 2003-2008          |
|          | Engine K4M                            |
|          | Kangoo 1.5 dCi (45 kW) 2005-2008      |
|          | Engine K9K Common Rail                |
|          | Kangoo 1.5 dCi (48 kW) 2003-2005      |
|          | Engine K9K Common Rail                |
|          | Kangoo 1.5 dCi (50 kW) 2005-2008      |
|          | Engine K9K Common Rail                |
|          | Kangoo 1.5 dCi (60 kW), 4x4 2003-2005 |
|          | Engine K9K Common Rail                |
|          | Kangoo 1.5 dCi (62 kW) 2005-2008      |
|          | Engine K9K Common Rail                |
|          | Kangoo 1.9 D 1997-2000                |
|          | Engine F8Q                            |
|          | Kangoo 1.9 D 2001-2003                |
|          | Engine F8Q                            |
|          | Kangoo 1.9 dTi 1999-2000              |
|          | Engine F9Q                            |
| 19       |                                       |
|          | 19 1.2 X53 1988-1995                  |
|          | Engine C1G                            |
|          | 19 1.4 X53 1988-1995                  |
|          | Engine E6J                            |
|          | Engine C1J                            |
|          | Engine E7J                            |
|          | Engine C3J                            |
|          | Engine C2J                            |
|          | 19 1.7 (F2N) X53 1988-1995            |
|          | Engine F2N                            |
|          | 19 1.7 (F3N) X53 1988-1995            |
|          | Engine F3N                            |
|          | 19 1.8 X53 1993-1996                  |
|          | Engine F3P                            |
|          | 19 1.8-16V X53 1988-1996              |
|          | Engine F7P                            |
|          | 19 1.9 D X53 1988-1996                |
|          | Engine F8Q                            |
|          | 19 1.9 TD X53 1992-1996               |
|          | Engine F8QH                           |
| Sandero  |                                       |
|          | Sandero 1.0 16V B90 2009-             |

|                           |   |
|---------------------------|---|
|                           | Engine D4D  |
|                           | Sandero 1.2 16V B90 2009-                                 |
|                           | Engine D4F  |
|                           | Sandero 1.4 B90 2008-                                     |
|                           | Engine K7J  |
|                           | Sandero 1.6 B90 2008-                                     |
|                           | Engine K7M  |
| Logan                     |   |
|                           | Logan 1.0 16V X90 2004-                                   |
|                           | Engine D4D  |
|                           | Logan 1.2 16V X90 2004-                                   |
|                           | Engine D4F  |
|                           | Logan 1.4 X90 2004-                                       |
|                           | Engine K7J  |
|                           | Logan 1.6 X90 2004-                                       |
|                           | Engine K7M  |
|                           | Logan 1.6 16V X90 2006-                                   |
|                           | Engine K4M  |
| Mégane                    |   |
|                           | Mégane 1.4 C64 / B64 / L64 / E64 1995-1998                |
|                           | Engine E7J  |
|                           | Mégane 1.4 C64 / B64 / L64 / E64 1998-1999                |
|                           | Engine E7J  |
|                           | Mégane 1.4 C64 / B64 / L64 / E64 2000-2001                |
|                           | Engine E7J  |
|                           | Mégane 1.4 16V C64 / B64 / L64 / E64 1999-2000            |
|                           | Engine K4J  |
|                           | Mégane 1.4 16V C64 / B64 / L64 / E64 2001-2002            |
|                           | Engine K4J  |
|                           | Mégane 1.6 (55 kW) C64 / B64 / L64 / E64 1995-1998        |
|                           | Engine K7M  |
|                           | Mégane 1.6 (55 kW) C64 / B64 / L64 / E64 1998-1999        |
|                           | Engine K7M  |
|                           | Mégane 1.6 (66 kW) C64 / B64 / L64 / E64 1995-1998        |
|                           | Engine K7M  |
|                           | Mégane 1.6 (66 kW) C64 / B64 / L64 / E64 1998-1999        |
|                           | Engine K7M  |
|                           | Mégane 1.6 16V C64 / B64 / L64 / E64 1999-2000            |
|                           | Engine K4M  |
|                           | Mégane 1.6 16V C64 / B64 / L64 / E64 2001-2002            |
|                           | Engine K4M  |
|                           | Mégane 1.8 16V C64 / B64 / L64 / E64 2001-2002            |
|                           | Engine F4P  |
|                           | Mégane 2.0 C64 / B64 / L64 / E64 1995-1998                |
|                           | Engine F3R  |
|                           | Mégane 2.0 C64 / B64 / L64 / E64 1998-2000                |
|                           | Engine F3R  |
|                           | Mégane 2.0 16V C64 / B64 / L64 / E64 1995-1996            |
|                           | Engine F7R  |
|                           | Mégane 2.0 16V C64 / B64 / L64 / E64 1997-1998            |
|                           | Engine F7R  |
|                           | Mégane 2.0 16V ide C64 / B64 / L64 / E64 1999-2000        |
|                           | Engine F5R  |
|                           | Mégane 2.0 16V ide C64 / B64 / L64 / E64 2001-2002        |
|                           | Engine F5R  |
|                           | Mégane 1.9 D C64 / B64 / L64 / E64 1995-2000              |
|                           | Engine F8Q  |
|                           | Mégane 1.9 D C64 / B64 / L64 / E64 2001-2002              |
|                           | Engine F8Q  |
|                           | Mégane 1.9 dT C64 / B64 / L64 / E64 1995-1999             |
|                           | Engine F8QH   |
|                           | Mégane 1.9 dTi C64 / B64 / L64 / E64 2001-2002            |
|                           | Engine F9Q  |
|                           | Mégane 1.9 dCi C64 / B64 / L64 / E64 2001-2002            |
|                           | Engine F9Q Common Rail                                    |
| Mégane II                 |   |
|                           | Mégane II 1.4 16V (60 kW) C84 / B84 / L84 / K84 2002-2006 |
|                           | Engine K4J  |
|                           | Mégane II 1.4 16V (72 kW) C84 / B84 / L84 / K84 2002-2008 |
|                           | Engine K4J  |
|                           | Mégane II 1.6 16V C84 / B84 / L84 / K84 2002-2008         |
|                           | Engine K4M  |
|                           | Mégane II 2.0 16V C84 / B84 / L84 / K84 2002-2008         |
|                           | Engine F4R  |
|                           | Mégane II 1.5 dCi (60 kW) C84 / B84 / L84 / K84 2003-2005 |
|                           | Engine K9K Common Rail                                    |
|                           | Mégane II 1.5 dCi (74 kW) C84 / B84 / L84 / K84 2003-2005 |
|                           | Engine K9K Common Rail                                    |
|                           | Mégane II 1.9 dCi C84 / B84 / L84 / K84 2003-2005         |
|                           | Engine F9Q Common Rail                                    |
| Mégane II Coupé-Cabriolet |   |
|                           | Mégane II Coupé-Cabriolet 1.6 16V E84 2003-2010           |

|                 |   |
|-----------------|---|
|                 | Engine K4M                                      |
|                 | Mégane II Coupé-Cabriolet 2.0 16V E84 2003-2010 |
|                 | Engine F4R                                      |
|                 | Mégane II Coupé-Cabriolet 1.9 dCi E84 2003-2005 |
|                 | Engine F9Q Common Rail                          |
| Mégane Scénic   |   |
|                 | Mégane Scénic 1.4 1996-1999                     |
|                 | Engine E7J                                      |
|                 | Mégane Scénic 1.6 1996-1999                     |
|                 | Engine K7M                                      |
|                 | Mégane Scénic 2.0 1996-1999                     |
|                 | Engine F3R                                      |
|                 | Mégane Scénic 1.9 D 1996-1999                   |
|                 | Engine F8Q                                      |
|                 | Mégane Scénic 1.9 dT 1996-1997                  |
|                 | Engine F8QH                                     |
|                 | Mégane Scénic 1.9 dTi 1997-1999                 |
|                 | Engine F9Q                                      |
| Scénic          |   |
|                 | Scénic 1.4 16V J64 1999-2001                    |
|                 | Engine K4J                                      |
|                 | Scénic 1.4 16V J64 2001-2003                    |
|                 | Engine K4J                                      |
|                 | Scénic 1.6 16V J64 1999-2000                    |
|                 | Engine K4M                                      |
|                 | Scénic 1.6 16V J64 2001-2003                    |
|                 | Engine K4M                                      |
|                 | Scénic 1.8 16V J64 2001-2003                    |
|                 | Engine F4P                                      |
|                 | Scénic 2.0 16V J64 1999-2000                    |
|                 | Engine F4R                                      |
|                 | Scénic 2.0 16V J64 2001-2003                    |
|                 | Engine F4R                                      |
|                 | Scénic RX4 2.0 16V J64 1999-2000                |
|                 | Engine F4R 744                                  |
|                 | Scénic RX4 2.0 16V J64 2001-2003                |
|                 | Engine F4R 744                                  |
|                 | Scénic 1.9 D J64 1999-2000                      |
|                 | Engine F8Q                                      |
|                 | Scénic 1.9 D J64 2001-2003                      |
|                 | Engine F8Q                                      |
|                 | Scénic 1.9 dTi J64 1999-2000                    |
|                 | Engine F9Q                                      |
|                 | Scénic 1.9 dTi J64 2001-2003                    |
|                 | Engine F9QT                                     |
|                 | Scénic 1.9 dCi J64 2001-2003                    |
|                 | Engine F9Q                                      |
|                 | Scénic RX4 1.9 dCi J64 1999-2000                |
|                 | Engine F9Q                                      |
|                 | Scénic RX4 1.9 dCi J64 2001-2003                |
|                 | Engine F9Q Common Rail                          |
| Scénic II       |   |
|                 | Scénic II 1.4 16V J84 2003-2009                 |
|                 | Engine K4J                                      |
|                 | Scénic II 1.6 16V J84 2003-2006                 |
|                 | Engine K4M                                      |
|                 | Scénic II 1.6 16V J84 2006-2009                 |
|                 | Engine K4M                                      |
|                 | Scénic II 2.0 16V J84 2003-2009                 |
|                 | Engine F4R                                      |
|                 | Scénic II 1.5 dCi (60 kW) J84 2003-2005         |
|                 | Engine K9K Common Rail                          |
|                 | Scénic II 1.5 dCi (74 kW) J84 2004-2005         |
|                 | Engine K9K Common Rail                          |
|                 | Scénic II 1.9 dCi J84 2003-2005                 |
|                 | Engine F9Q Common Rail                          |
| Grand Scénic II |   |
|                 | Grand Scénic II 1.6 16V J84 2004-2006           |
|                 | Engine K4M                                      |
|                 | Grand Scénic II 1.6 16V J84 2006-2009           |
|                 | Engine K4M                                      |
|                 | Grand Scénic II 2.0 16V J84 2004-2009           |
|                 | Engine F4R                                      |
|                 | Grand Scénic II 1.5 dCi J84 2004-2005           |
|                 | Engine K9K Common Rail                          |
|                 | Grand Scénic II 1.9 dCi J84 2004-2005           |
|                 | Engine F9Q Common Rail                          |
| 21              |   |
|                 | 21 1.7 TL 1986-1993                             |
|                 | Engine F2N-B                                    |
|                 | 21 1.7 TS, GTS, RS, TSE 1986-1993               |
|                 | Engine F2N-C                                    |



|           |  |
|-----------|--|
|           | 21 1.7 TL-GTL, TS-GTS-TSE 1986-1994            |
|           | Engine F2N, F3N                                |
|           | 21 2.0 RX, TXE 1986-1989                       |
|           | Engine J7R                                     |
|           | 21 2.0 RX, GTX 1989-1992                       |
|           | Engine J7R                                     |
|           | 21 2.0-12V TXI 1989-1993                       |
|           | Engine J7R-750                                 |
|           | 21 2.0-12V TXI 4x4 (Quadra) 1989-1993          |
|           | Engine J7R-750                                 |
|           | 21 Turbo 1987-1993                             |
|           | Engine J7R-C752                                |
|           | 21 2.0 Turbo Quadra 1990-1993                  |
|           | Engine J7R-756                                 |
|           | 21 2.2 1986-1995                               |
|           | Engine J7T                                     |
|           | 21 Diesel 1986-1995                            |
|           | Engine J8S-A704                                |
|           | 21 Turbo Diesel 1986-1995                      |
|           | Engine J8S-B714                                |
| Laguna    |  |
|           | Laguna 1.6 16V B56 / K56 1998-2001             |
|           | Engine K4M                                     |
|           | Laguna 1.8 B56 / K56 1993-1995                 |
|           | Engine F3P                                     |
|           | Laguna 1.8 B56 / K56 1995-1998                 |
|           | Engine F3P                                     |
|           | Laguna 1.8 B56 / K56 1998-2001                 |
|           | Engine F3P                                     |
|           | Laguna 1.8 16V B56 / K56 1998-2001             |
|           | Engine F4P                                     |
|           | Laguna 2.0 B56 / K56 1993-1995                 |
|           | Engine F3R                                     |
|           | Laguna 2.0 B56 / K56 1995-1998                 |
|           | Engine F3R                                     |
|           | Laguna 2.0 B56 / K56 1998-2001                 |
|           | Engine F3R                                     |
|           | Laguna 2.0 16V B56 / K56 1994-1995             |
|           | Engine N7Q                                     |
|           | Laguna 2.0 16V B56 / K56 1995-1998             |
|           | Engine N7Q                                     |
|           | Laguna 2.0 16V B56 / K56 1998-1999             |
|           | Engine N7Q                                     |
|           | Laguna 2.0 16V B56 / K56 1999-2001             |
|           | Engine F4R                                     |
|           | Laguna 2.9 V6 24V B56 / K56 1997-1998          |
|           | Engine L7X                                     |
|           | Laguna 2.9 V6 24V B56 / K56 1998-2001          |
|           | Engine L7X                                     |
|           | Laguna 3.0 V6 B56 / K56 1993-1997              |
|           | Engine Z7X                                     |
|           | Laguna 1.9 dTi B56 / K56 1998-2001             |
|           | Engine F9Q                                     |
|           | Laguna 2.2 Diesel B56 / K56 1994-1998          |
|           | Engine G8T                                     |
|           | Laguna 2.2 dT B56 / K56 1996-1998              |
|           | Engine G8T 760                                 |
|           | Laguna 2.2 dT B56 / K56 1998-2001              |
|           | Engine G8T                                     |
| Laguna II |  |
|           | Laguna II 1.6 16V B74 / K74 2001-2005          |
|           | Engine K4M                                     |
|           | Laguna II 1.6 16V B74 / K74 2005-2007          |
|           | Engine K4M                                     |
|           | Laguna II 1.8 16V B74 / K74 2001-2005          |
|           | Engine F4P                                     |
|           | Laguna II 2.0 16V B74 / K74 2002-2005          |
|           | Engine F4R                                     |
|           | Laguna II 2.0 16V B74 / K74 2005-2007          |
|           | Engine F4R                                     |
|           | Laguna II 2.0 16V ide B74 / K74 2001-2003      |
|           | Engine F5R                                     |
|           | Laguna II 3.0 V6 24V B74 / K74 2001-2005       |
|           | Engine L7X                                     |
|           | Laguna II 3.0 V6 24V B74 / K74 2005-2007       |
|           | Engine L7X                                     |
|           | Laguna II 2.2 dCi (110 kW) B74 / K74 2002-2005 |
|           | Engine G9T                                     |
|           | Laguna II 2.2 dCi (110 kW) B74 / K74 2005-2005 |
|           | Engine G9T                                     |
| 25        |  |
|           | 25 2.0 TS, GTS 1984-1992                       |

|                            |                         |
|----------------------------|-------------------------|
|                            | Engine J6R              |
| 25 2.0 TS, GTS             | 1986-1989               |
|                            | Engine J7R              |
| 25 2.0 TS, GTS             | 1989-1992               |
|                            | Engine J7R              |
| 25 2.2 TX, GTX             | 1987-1992               |
|                            | Engine J7T              |
| 25 2.5 V6 Turbo            | 1984-1991               |
|                            | Engine Z7U              |
| 25 2.7 V6 Injection        | 1984-1988               |
|                            | Engine Z7V              |
| 25 2.8 V6 Injection        | 1988-1992               |
|                            | Engine Z7W-B700         |
| 25 TD, GTD                 | 1989-1992               |
|                            | Engine J8S              |
| 25 Turbo D, DX             | 1984-1992               |
|                            | Engine J8S              |
| Safrane                    |                         |
| Safrane 2.0 X54            | 1992-1996               |
|                            | Engine J7R-Q732         |
| Safrane 2.0 X54            | 1996-2000               |
|                            | Engine N7Q              |
| Safrane 2.0 12V X54        | 1992-1996               |
|                            | Engine J7R              |
| Safrane 2.2 X54            | 1992-1996               |
|                            | Engine J7T              |
| Safrane 2.2 12V X54        | 1992-1996               |
|                            | Engine J7T              |
| Safrane 2.5 X54            | 1996-2000               |
|                            | Engine N7U              |
| Safrane 2.9 V6 X54         | 1999-2000               |
|                            | Engine L7X              |
| Safrane 3.0 V6 X54         | 1992-1996               |
|                            | Engine Z7X              |
| Safrane 3.0 V6 X54         | 1996-1999               |
|                            | Engine Z7X              |
| Safrane 3.0 V6 Quadra X54  | 1992-1996               |
|                            | Engine Z7X              |
| Safrane 3.0 V6 Biturbo X54 | 1993-1996               |
|                            | Engine ZX7              |
| Safrane 2.1 dT X54         | 1992-1996               |
|                            | Engine J8S              |
| Safrane 2.2 dT X54         | 1996-1998               |
|                            | Engine G8T 760          |
| Safrane 2.2 dT X54         | 1998-2000               |
|                            | Engine G8TT             |
| Safrane 2.5 dT X54         | 1992-1996               |
|                            | Engine S8U              |
| Sport Spider               |                         |
| Sport Spider 2.0 16V E94   | 1995-2000               |
|                            | Engine AF0H05           |
| Alpine                     |                         |
| Alpine A 610 Turbo         | 1991-1996               |
|                            | Engine Z7X 744          |
| Alpine V6 GT               | 1985-1991               |
|                            | Engine Z6W A700         |
| Alpine V6 Turbo            | 1985-1991               |
|                            | Engine Z7U 730          |
| Espace II                  |                         |
| Espace II 2.0 J63          | 1991-1996               |
|                            | Engine J7R-768          |
| Espace II 2.2i J63         | 1991-1996               |
|                            | Engine J7T-722          |
| Espace II 2.2i Quadra J63  | 1991-1996               |
|                            | Engine J7T-722          |
| Espace II 2.85 V6i J63     | 1991-1993               |
|                            | Engine Z7W712           |
| Espace II 2.85 V6i J63     | 1993-1996               |
|                            | Engine Z7W713           |
| Espace II 2.1 dT J63       | 1991-1996               |
|                            | Engine J8S 772, J8S 776 |
| Espace III                 |                         |
| Espace III 2.0 J66         | 1996-2000               |
|                            | Engine F3R              |
| Espace III 2.0 16V J66     | 1998-2001               |
|                            | Engine F4R              |
| Espace III 2.0 16V J66     | 2001-2002               |
|                            | Engine F4R              |
| Espace III 2.9 V6 24V J66  | 1998-2001               |
|                            | Engine L7X              |
| Espace III 2.9 V6 24V J66  | 2001-2002               |
|                            | Engine L7X              |

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|                  | Espace III 3.0 V6 J66 1996-1998<br>Engine Z7X  |
|                  | Espace III 1.9 dTi J66 1999-2000<br>Engine F9QT                                      |
|                  | Espace III 1.9 dTi J66 2001-2002<br>Engine F9QT                                      |
|                  | Espace III 2.2 dT J66 1996-2000<br>Engine G8T  |
|                  | Espace III 2.2 dCi J66 2000-2001<br>Engine G9T                                       |
|                  | Espace III 2.2 dCi J66 2001-2002<br>Engine G9T                                       |
| Grand Espace III | Grand Espace III 2.0 16V J66 1998-2001<br>Engine F4R                                 |
|                  | Grand Espace III 2.0 16V J66 2001-2002<br>Engine F4R                                 |
|                  | Grand Espace III 2.9 V6 24V J66 1998-2001<br>Engine L7X                              |
|                  | Grand Espace III 2.9 V6 24V J66 2001-2002<br>Engine L7X                              |
|                  | Grand Espace III 2.2 dT J66 1998-2000<br>Engine G8T                                  |
|                  | Grand Espace III 2.2 dCi J66 2000-2001<br>Engine G9T                                 |
|                  | Grand Espace III 2.2 dCi J66 2001-2002<br>Engine G9T                                 |
| Espace IV        | Espace IV 2.0 16V 2002-2008<br>Engine F4R  |
|                  | Espace IV 3.5 V6 24V 2002-2008<br>Engine V4Y   |
| Grand Espace IV  | Grand Espace IV 3.5 V6 24V 2002-2008<br>Engine V4Y                                   |
| Vel Satis        | Vel Satis 3.5 V6 24V B73 2002-2005<br>Engine V4Y                                     |
|                  | Vel Satis 3.5 V6 24V B73 2005-2009<br>Engine V4Y                                     |
|                  | Vel Satis 2.2 dCi B73 2002-2006<br>Engine G9T  |
| Avantime         | Avantime 3.0 V6 24V D66 2001-2003<br>Engine L7X                                      |
| Rolls-Royce      | All models   |
|                  | Silver Spirit II/III 1990-1998<br>Engine   |
|                  | Silver Spur II/III 1990-1998<br>Engine   |
|                  | Corniche III/IV 1989-1995<br>Engine  |
|                  | Touring Limousine 1990-1998<br>Engine  |
|                  | Flying Spur 1994-1995<br>Engine  |
| Rover            | MINI   |
|                  | MINI, MINI Moke 1989-2000<br>Engine/transaxle, automatic<br>Engine/transaxle, manual |
|                  | MINI Cooper 1989-2000<br>Engine/transaxle, manual                                    |
| 100              | 111 1990-1999<br>Engine K8   |
|                  | 114 1990-1999<br>Engine K8   |
|                  | 114 GTi 1990-1996<br>Engine K16  |
|                  | 113 Diesel 1992-1999<br>Engine TUD3  |
|                  | 115 Diesel 1995-1999<br>Engine TUD5  |
| City Rover       | City Rover1.4 2003-2005<br>Engine Tata 475 SI MPFI                                   |
| 200              | 213, S, E, Vanden Plas 1984-1989<br>Engine Honda<br>Transaxle, manual                |

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|                               |                  |   |
|-------------------------------|------------------|---|
| 214                           | 1990-1993        | Engine K8                                 |
| 214                           | 1995-1999        | Engine K16                                |
| 214 Si 16V                    | 1989-1995        | Engine K16                                |
| 214 SLi 16V                   | 1989-1995        | Engine K16                                |
| 214 GSi 16V                   | 1989-1995        | Engine K16                                |
| 214 16V                       | 1995-1999        | Engine K16                                |
| 216 S, SE                     | 1985-1989        | Engine "S"<br>Transaxle, manual           |
| 216 GSi 16V                   | 1989-1995        | Engine Honda ZC<br>Transaxle, manual      |
| 216 GTi 16V Twin Cam          | 1990-1995        | Engine Honda D16<br>Transaxle, manual     |
| 216 EFi, Vitesse, Vanden Plas | 1985-1989        | Engine "S"<br>Transaxle, manual           |
| 216 16V                       | 1995-1999        | Engine K                                  |
| 200 vi                        | 1995-1999        | Engine K                                  |
| 220i 16V                      | 1991-1995        | Engine T16<br>Transaxle, manual           |
| 220i 16V Turbo                | 1993-1995        | Engine T16 T                              |
| 218 SD Diesel                 | 1993-1995        | Engine D9B (XUD9A)<br>Transaxle, manual   |
| 218 SLD Turbo Diesel          | 1991-1995        | Engine A8A (XUD 7TE)<br>Transaxle, manual |
| 220 D                         | 1995-1999        | Engine L                                  |
| Cabriolet, Tourer, Coupé      |                  |   |
| Coupé 1.6                     | 1992-2005        | Engine Honda ZC<br>Transaxle, manual      |
| Coupé 1.8vvc                  | 1996-2005        | Engine                                    |
| Coupé 2.0                     | 1992-1996        | Engine T16<br>Transaxle, manual           |
| Coupé 2.0 16V Turbo           | 1994-1996        | Engine T16 T                              |
| Cabriolet 1.4                 | 1992-2005        | Engine K16                                |
| Cabriolet 1.6                 | 1992-2005        | Engine D16<br>Transaxle, manual           |
| Tourer 1.6                    | 1992-2005        | Engine ZC<br>Transaxle, manual            |
| Tourer 1.8vvc                 | 1996-2005        | Engine                                    |
| Tourer 2.0                    | 1994-1996        | Engine T16<br>Transaxle, manual           |
| Tourer Turbo D                | 1994-1996        | Engine A8A (XUD 7TE)<br>Transaxle, manual |
| 25                            | 1.1 16V          | 2003-2005<br>Engine K                     |
| 25                            | 1.4 16V          | 1999-2005<br>Engine K                     |
| 25                            | 1.4 16V (76 kW)  | 1999-2005<br>Engine K                     |
| 25                            | 1.6 16V          | 1999-2005<br>Engine K                     |
| 25                            | 1.8 16V (86 kW)  | 1999-2005<br>Engine K1.8                  |
| 25                            | 1.8 16V (107 kW) | 1999-2005<br>Engine VVC                   |
| 25                            | 2.0 TD           | 1999-2005                                 |

|                  |                           |                          |
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|                  |                           | Engine L                 |
|                  | 25 2.0 TD (83 kW)         | 2003-2005                |
|                  |                           | Engine L                 |
| Montego / Estate |                           |                          |
|                  | Montego 1.6               | 1989-1993                |
|                  |                           | Engine                   |
|                  |                           | Transaxle, manual        |
|                  |                           | Carburettor damper       |
|                  | Montego 2.0               | 1989-1993                |
|                  |                           | Engine                   |
|                  |                           | Transaxle, manual        |
|                  |                           | Carburettor damper       |
|                  | Montego 2.0i              | 1989-1996                |
|                  |                           | Engine                   |
|                  |                           | Transaxle, manual        |
|                  | Montego 2.0 D Turbo       | 1989-1993                |
|                  |                           | Engine Perkins Prima 80T |
|                  |                           | Transaxle, manual        |
|                  | Estate 2.0 TD             | 1993-1996                |
|                  |                           | Engine Perkins Prima 80T |
|                  |                           | Transaxle, manual        |
| 400              |                           |                          |
|                  | 414 Si 16V                | 1990-1993                |
|                  |                           | Engine K16               |
|                  | 414, 414i                 | 1995-1999                |
|                  |                           | Engine K16               |
|                  | 416 GSi 16V               | 1990-1993                |
|                  |                           | Engine Honda ZC          |
|                  |                           | Transaxle, manual        |
|                  | 416 GTi 16V               | 1990-1993                |
|                  |                           | Engine Honda ZC          |
|                  |                           | Transaxle, manual        |
|                  | 416i, Si, Sli             | 1995-1999                |
|                  |                           | Engine                   |
|                  | 416 Sli automatic         | 1995-1999                |
|                  |                           | Engine                   |
|                  | 420 GSi, SLi 16V          | 1991-1994                |
|                  |                           | Engine M 16              |
|                  |                           | Transaxle, manual        |
|                  | 420                       | 1995-1999                |
|                  |                           | Engine T                 |
|                  | 418 SD, SLD Diesel        | 1993-1995                |
|                  |                           | Engine D9B (XUD9A)       |
|                  |                           | Transaxle, manual        |
|                  | 418 SLD, GSD Turbo Diesel | 1991-1995                |
|                  |                           | Engine A8A (XUD 7TE)     |
|                  |                           | Transaxle, manual        |
|                  | 420 D                     | 1996-1999                |
|                  |                           | Engine L                 |
| 45               |                           |                          |
|                  | 45 1.4 16V                | 1999-2005                |
|                  |                           | Engine K                 |
|                  | 45 1.6 16V                | 1999-2005                |
|                  |                           | Engine K                 |
|                  | 45 1.8 16V                | 1999-2005                |
|                  |                           | Engine K1.8              |
|                  | 45 2.0 V6 24V             | 1999-2005                |
|                  |                           | Engine KV6               |
|                  | 45 2.0 TD                 | 1999-2005                |
|                  |                           | Engine L                 |
| 600              |                           |                          |
|                  | 618i                      | 1995-1999                |
|                  |                           | Engine                   |
|                  | 620i                      | 1993-1995                |
|                  |                           | Engine F20A              |
|                  |                           | Transaxle, manual        |
|                  | 620Si                     | 1993-1999                |
|                  |                           | Engine F20A4             |
|                  |                           | Transaxle, manual        |
|                  | 620Ti                     | 1995-1999                |
|                  |                           | Engine                   |
|                  | 623iS, GSi                | 1993-1999                |
|                  |                           | Engine H23A2             |
|                  | 620 Di                    | 1995-1999                |
|                  |                           | Engine 20 2TN            |
|                  |                           | Transaxle, manual        |
| 75               |                           |                          |
|                  | 75 1.8                    | 1999-2005                |
|                  |                           | Engine K...              |
|                  | 75 1.8 T                  | 1999-2005                |
|                  |                           | Engine K... Turbo        |
|                  | 75 2.0                    | 1999-2005                |

|      |                              |                              |
|------|------------------------------|------------------------------|
|      |                              | Engine KV6                   |
|      | 75 2.5                       | 1999-2005                    |
|      |                              | Engine KV6                   |
|      | 75 2.0 Di                    | 1999-2005                    |
|      |                              | Engine BMW M47R              |
|      | 75 2.0 CDTi                  | 2004-2005                    |
|      |                              | Engine BMW M47R              |
| 800  |                              |                              |
|      | 820 E, SE                    | 1986-1990                    |
|      |                              | Engine M 16E                 |
|      |                              | Transaxle, manual            |
|      | 820 i, Si, SLi               | 1986-1999                    |
|      |                              | Engine M16i                  |
|      |                              | Transaxle, manual            |
|      | 820 Vitesse                  | 1995-1999                    |
|      |                              | Engine T16 T                 |
|      | 825i, Sterling               | 1986-1988                    |
|      |                              | Engine C25A                  |
|      |                              | Transaxle, manual            |
|      | 825 Si, SLi, Sterling, Coupé | 1996-1999                    |
|      |                              | Engine KV6                   |
|      | 827, Vitesse, Sterling       | 1987-1996                    |
|      |                              | Engine C27A-V6               |
|      |                              | Transaxle, manual            |
|      | 825 D Turbo                  | 1990-1991                    |
|      |                              | Engine 4924 SHI RG           |
|      |                              | Transaxle, manual            |
|      | 825 Turbo Diesel             | 1991-1999                    |
|      |                              | Engine 4924 SHI RG           |
|      |                              | Transaxle, manual            |
| Saab |                              |                              |
|      | 9-2X                         |                              |
|      | 9-2X 2.0 Turbo               | 2004-2005                    |
|      |                              | Engine                       |
|      | 9-2X 2.5                     | 2004-2005                    |
|      |                              | Engine                       |
|      | 9-2X 2.5                     | 2006-2006                    |
|      |                              | Engine EJ 253                |
|      | 9-2X 2.5 Turbo               | 2006-2006                    |
|      |                              | Engine EJ 255                |
| 900  |                              |                              |
|      | 900 (73 kW)                  | 1979-1988                    |
|      |                              | Engine B201                  |
|      |                              | Transaxle, manual            |
|      |                              | Transaxle, manual            |
|      |                              | Differential, from automatic |
|      | 900 (79 kW)                  | 1979-1984                    |
|      |                              | Engine B201                  |
|      |                              | Transaxle, manual            |
|      |                              | Transaxle, manual            |
|      |                              | Differential, from automatic |
|      | 900i                         | 1981-1988                    |
|      |                              | Transaxle, manual            |
|      |                              | Engine B201i                 |
|      |                              | Differential, from automatic |
|      | 900i with catalyst           | 1986-1990                    |
|      |                              | Engine B201i                 |
|      |                              | Transaxle, manual            |
|      |                              | Differential, from automatic |
|      | 900i 16V                     | 1986-1990                    |
|      |                              | Engine B202i                 |
|      |                              | Transaxle, manual            |
|      |                              | Differential, from automatic |
|      | 900i 16V with catalyst       | 1986-1993                    |
|      |                              | Transaxle, manual            |
|      |                              | Engine B202i                 |
|      |                              | Differential, from automatic |
|      | 900i 2.1 16V                 | 1990-1991                    |
|      |                              | Engine B212i                 |
|      |                              | Transaxle, manual            |
|      |                              | Differential, from automatic |
|      | 900 S (LPT)                  | 1989-1993                    |
|      |                              | Engine B202 LTT              |
|      |                              | Transaxle, manual            |
|      |                              | Differential, from automatic |
|      | 900 Turbo                    | 1979-1985                    |
|      |                              | Engine B201 Turbo            |
|      |                              | Transaxle, manual            |
|      |                              | Transaxle, manual            |
|      |                              | Differential, from automatic |
|      | 900 Turbo with catalyst      | 1986-1988                    |
|      |                              | Transaxle, manual            |

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|                                  | Engine B201 Turbo<br>Differential, from automatic                                   |
| 900 Turbo 16                     | 1985-1993<br>Engine B202 Turbo<br>Transaxle, manual                                 |
| 900 Turbo 16 with catalyst       | Differential, from automatic<br>1988-1993<br>Engine B202 Turbo<br>Transaxle, manual |
| 900 Turbo 16S GT                 | Differential, from automatic<br>1993-1994<br>Transaxle, manual                      |
| 900 Turbo SPG (USA only)         | Engine B202 Turbo<br>1987-1991<br>Transaxle, manual                                 |
| 900 2.0                          | Engine B202 Turbo<br>1993-1998<br>Transaxle, manual                                 |
| 900 2.0 Turbo                    | Engine B204L<br>1993-1998<br>Transaxle, manual                                      |
| 900 2.3                          | Engine B234i<br>1993-1998<br>Transaxle, manual                                      |
| 900 2.5 V6                       | Engine B258i<br>1993-1998<br>Transaxle, manual                                      |
| 9-3                              |   |
| 9-3 2.0                          | Engine<br>1998-2000   |
| 9-3 2.0 t                        | Engine<br>1998-2000   |
| 9-3 2.0 Turbo (136, 147, 151 kW) | Engine<br>1998-2000   |
| 9-3 2.3                          | Engine<br>1998-2000   |
| 9-3 2.2 TiD                      | Engine<br>1998-2000   |
| 9000                             |   |
| 9000i 16                         | Engine B202i<br>1986-1990<br>Transaxle, manual                                      |
| 9000i Turbo 16                   | Engine B202 Turbo<br>1984-1990<br>Transaxle, manual                                 |
| 9000i 2.0                        | Engine B201i<br>1992-1993<br>Transaxle, manual                                      |
| 9000i 2.0                        | Engine B204i<br>1994-1998<br>Transaxle, manual                                      |
| 9000i 2.0 Turbo                  | Engine B202 Turbo<br>1992-1993<br>Transaxle, manual                                 |
| 9000i 2.0 Turbo                  | Engine B204<br>1994-1995<br>Transaxle, manual                                       |
| 9000i 2.3                        | Engine B234<br>1989-1993<br>Transaxle, manual                                       |
| 9000i 2.3                        | Engine B234<br>1994-1998<br>Transaxle, manual                                       |
| 9000i 2.3 Turbo                  | Engine B234<br>1991-1993<br>Transaxle, manual                                       |
| 9000i 2.3 Turbo                  | Engine B234<br>1994-1998<br>Transaxle, manual                                       |
| 9000i 3.0 V6                     | Engine B308i<br>1994-1998<br>Transaxle, manual                                      |
| 9-5                              |   |
| 9-5 2.0 t                        | Engine<br>1997-1999   |
| 9-5 2.3 t                        | Engine<br>1997-1999   |
| 9-5 3.0 V6 t                     | Engine<br>1997-1999   |

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|      | Samurai  | Samurai 1.3 1991-1995<br>Engine   |
|      | Vitara   | Vitara 1.6 1991-1995<br>Engine<br>Vitara 1.6-16V 1991-1995<br>Engine  |
| Seat | Arosa    | Arosa 1.0 1997-2005<br>Engine AER<br>Arosa 1.4 1997-2005<br>Engine AEX<br>Arosa 1.4 16V 1997-2005<br>Engine<br>Arosa 1.7 SDI 1997-2005<br>Engine AKU  |
|      | Marbella | Marbella 0.8 1987-1994<br>Engine<br>Marbella 0.9 1987-1998<br>Engine  |
|      | Ibiza    | Ibiza 1.0 1997-1999<br>Engine AER<br>Ibiza 1.0 1999-2002<br>Engine ALD, ANV<br>Ibiza 1.05 1993-1996<br>Engine AAU<br>Ibiza 1.3 1993-1994<br>Engine AAV<br>Ibiza 1.4 1994-1999<br>Engine ABD<br>Ibiza 1.4 1999-2003<br>Engine ANW, AKK, AUD<br>Ibiza 1.4 16V 1997-1999<br>Engine AFH<br>Ibiza 1.4 16V 1999-2002<br>Engine AFH<br>Ibiza 1.6 (55 kW) 1993-1999<br>Engine ABU<br>Ibiza 1.6 (55 kW) 1999-2002<br>Engine AEE, ALM<br>Ibiza 1.6 (74 kW) 1996-1999<br>Engine AFT<br>Ibiza 1.6 (74 kW) 1999-2002<br>Engine AEH, AKL<br>Ibiza 1.8 1993-1997<br>Engine ABS, ADZ, ACC<br>Ibiza 1.8 16V 1993-1997<br>Engine ADL<br>Ibiza 1.8 20VT 1999-2002<br>Engine BJX, BKV<br>Ibiza 2.0 1993-1999<br>Engine AGG<br>Ibiza 2.0 16V 1996-1999<br>Engine ABF<br>Ibiza 1.9 D 1993-1999<br>Engine 1Y<br>Ibiza 1.9 TD 1993-1997<br>Engine AAZ<br>Ibiza 1.9 SDI 1996-1999<br>Engine AEY<br>Ibiza 1.9 SDI 1999-2002<br>Engine AGP, AQM<br>Ibiza 1.9 TDI (66 kW) 1996-1999<br>Engine 1Z<br>Ibiza 1.9 TDI (66 kW) 1999-2002<br>Engine AGR, ALH<br>Ibiza 1.9 TDI (81 kW) 1997-2002<br>Engine AFN |
|      | Ibiza    | Ibiza 1.2 (40 kW) 2002-2006<br>Engine BMD<br>Ibiza 1.2 (44 kW) 2007-2008<br>Engine BBM<br>Ibiza 1.2 12V (47 kW) 2002-2005<br>Engine AZQ, BME<br>Ibiza 1.2 12V (51 kW) 2006-2009<br>Engine BXV<br>Ibiza 1.4 16V (55 kW) 2002-2008  |



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|         | Engine FDM                               |
|         | Ibiza 1.4 16V (63 kW) 2006-2008          |
|         | Engine BXW                               |
|         | Ibiza 1.4 16V (74 kW) 2002-2009          |
|         | Engine AUB, BBZ                          |
|         | Ibiza 1.6 16V (74 kW) 2005-2009          |
|         | Engine BAH                               |
|         | Ibiza 1.6 16V (77 kW) 2007-2009          |
|         | Engine BTS                               |
|         | Ibiza 1.8 20VT 2004-2008                 |
|         | Engine BJX, BKV                          |
|         | Ibiza 1.8 20VT Cupra 2004-2008           |
|         | Engine BBU, BLZ                          |
|         | Ibiza 2.0 2003-2005                      |
|         | Engine AZL                               |
|         | Ibiza 2.0 2005-2009                      |
|         | Engine BBX                               |
|         | Ibiza 1.9 SDI 2002-2005                  |
|         | Engine ASY                               |
| Ibiza   |  |
|         | Ibiza 1.6 2008-                          |
|         | Engine BTS                               |
|         | Ibiza 2.0 2008-                          |
|         | Engine CEKA                              |
| León    |  |
|         | León 1.4 16V 1999-2005                   |
|         | Engine AHW                               |
|         | León 1.6 1999-2001                       |
|         | Engine AEH, AKL                          |
|         | León 1.6 16V 2001-2006                   |
|         | Engine BCB                               |
|         | León 1.8 20V 1999-2005                   |
|         | Engine AGN                               |
|         | León 1.8 20VT 1999-2005                  |
|         | Engine APP                               |
|         | León 1.8 20VT 4 2001-2003                |
|         | Engine APP                               |
|         | León 1.8 20VT Cupra R (154 kW) 2002-2003 |
|         | Engine AMK                               |
|         | León 1.8 20VT Cupra R (165 kW) 2003-2005 |
|         | Engine BAM                               |
|         | León 2.0 TFSI 2005-2006                  |
|         | Engine BWA                               |
|         | León 2.8 V6 Cupra 4 2001-2004            |
|         | Engine AUE                               |
|         | León 1.9 SDI 2000-2004                   |
|         | Engine AGP, AQM                          |
|         | León 1.9 TDI (66 kW) 1999-2005           |
|         | Engine AGR, ALH                          |
|         | León 1.9 TDI (81 kW) 2000-2005           |
|         | Engine AHF, ASV                          |
| León    |  |
|         | León 1.4 16V 2006-2010                   |
|         | Engine BXW                               |
|         | León 1.8 TSI 2007-2009                   |
|         | Engine BYT, BZB                          |
|         | León 2.0 FSI 2005-2009                   |
|         | Engine BLR, BLY, BVY, BVZ                |
|         | León 2.0 TFSI FR 2006-2009               |
|         | Engine BWA                               |
|         | León 2.0 TFSI Cupra 2006-2009            |
|         | Engine BWJ                               |
| Cordoba |  |
|         | Cordoba 1.0 1999-2003                    |
|         | Engine ALD, ANV                          |
|         | Cordoba 1.2 12V 2003-2006                |
|         | Engine AZQ, BME                          |
|         | Cordoba 1.2 12V 2006-2008                |
|         | Engine BXV                               |
|         | Cordoba 1.4 1993-1999                    |
|         | Engine ABD                               |
|         | Cordoba 1.4 1999-2003                    |
|         | Engine ANW, AKK, AUD                     |
|         | Cordoba 1.4 16V (55 kW) 1999-2003        |
|         | Engine ANW, AKK                          |
|         | Cordoba 1.4 16V (55 kW) 2003-2008        |
|         | Engine                                   |
|         | Cordoba 1.4 16V (63 kW) 2006-2009        |
|         | Engine BXW                               |
|         | Cordoba 1.4 16V (74 kW) 1997-1999        |
|         | Engine AFH                               |
|         | Cordoba 1.4 16V (74 kW) 2003-2007        |

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|          | Engine                            |
|          | Cordoba 1.6 (55 kW) 1993-1994     |
|          | Engine ABU                        |
|          | Cordoba 1.6 (55 kW) 1F 1994-1999  |
|          | Engine 1F                         |
|          | Cordoba 1.6 (55 kW) 1997-2003     |
|          | Engine AEE, ALM                   |
|          | Cordoba 1.6 (74 kW) 1996-1999     |
|          | Engine AFT                        |
|          | Cordoba 1.6 (74 kW) 1999-2003     |
|          | Engine AEH, AKL                   |
|          | Cordoba 1.6 (74 kW) 2003-2007     |
|          | Engine BAH                        |
|          | Cordoba 1.6 16V 2007-2008         |
|          | Engine BTS                        |
|          | Cordoba 1.8 1993-1997             |
|          | Engine ABS, ADZ                   |
|          | Cordoba 1.8 16V 1993-1997         |
|          | Engine ADL                        |
|          | Cordoba 1.8 20VT 1999-2003        |
|          | Engine AYP                        |
|          | Cordoba 2.0 1993-1999             |
|          | Engine AGG                        |
|          | Cordoba 2.0 2003-2005             |
|          | Engine                            |
|          | Cordoba 2.0 16V 1996-1999         |
|          | Engine ABF                        |
|          | Cordoba 1.9 D 1993-1999           |
|          | Engine 1Y                         |
|          | Cordoba 1.9 SDi 1996-1999         |
|          | Engine AEY                        |
|          | Cordoba 1.9 SDi 1999-2003         |
|          | Engine AGP, AQM                   |
|          | Cordoba 1.9 SDi 2003-2006         |
|          | Engine ASY                        |
|          | Cordoba 1.9 TD 1993-1997          |
|          | Engine AAZ                        |
|          | Cordoba 1.9 TDi (66 kW) 1996-1999 |
|          | Engine 1Z                         |
|          | Cordoba 1.9 TDi (66 kW) 1999-2003 |
|          | Engine AGR, ALH                   |
|          | Cordoba 1.9 TDi (81 kW) 1998-2003 |
|          | Engine AFN                        |
| Exeo     | Exeo 1.6 2009-2010                |
|          | Engine ALZ                        |
| Altea    | Altea 1.4 16V 2006-2010           |
|          | Engine BXW                        |
|          | Altea 1.6 2004-2011               |
|          | Engine BSE, BSF, CCSA, CMXA       |
|          | Altea 1.8 TSI 2006-2009           |
|          | Engine BYT, BZB                   |
|          | Altea 1.8 TSI 2009-               |
|          | Engine CDAA                       |
|          | Altea 2.0 FSI 2005-2009           |
|          | Engine BLR, BLY, BVY, BVZ         |
|          | Altea 2.0 TFSI (147 kW) 2006-2009 |
|          | Engine BWA                        |
| Altea XL | Altea XL 1.4 16V 2006-2010        |
|          | Engine                            |
|          | Altea XL 1.4 TSI 2007-2011        |
|          | Engine CAXC                       |
|          | Altea XL 1.6 2006-2011            |
|          | Engine BSE, BSF, CCSA, CMXA       |
|          | Altea XL 1.8 TSI 2006-            |
|          | Engine BYT, BZB                   |
|          | Altea XL 2.0 FSI 2006-            |
|          | Engine BVY                        |
|          | Altea XL 2.0 TFSI 2009-           |
|          | Engine CCZB                       |
| Toledo   | Toledo 1.4 16V 2000-2001          |
|          | Engine AHW                        |
|          | Toledo 1.6 1992-1998              |
|          | Engine                            |
|          | Toledo 1.6 1996-1999              |
|          | Engine AFT                        |
|          | Toledo 1.6 1998-2004              |
|          | Engine AEH, AKL                   |
|          | Toledo 1.8 1992-1998              |

|          |                          |                             |
|----------|--------------------------|-----------------------------|
|          |                          | Engine                      |
|          | Toledo 1.8 GT 16V        | 1992-1994                   |
|          |                          | Engine                      |
|          | Toledo 1.8 20V           | 1998-2004                   |
|          |                          | Engine AGN                  |
|          | Toledo 2.0               | 1992-1998                   |
|          |                          | Engine                      |
|          | Toledo 2.0 16V           | 1995-1998                   |
|          |                          | Engine                      |
|          | Toledo 2.3 V5            | 1998-2004                   |
|          |                          | Engine AGZ                  |
|          | Toledo 1.9 D             | 1992-1998                   |
|          |                          | Engine                      |
|          | Toledo 1.9 TD            | 1992-1998                   |
|          |                          | Engine                      |
|          | Toledo 1.9 TDi (66 kW)   | 1996-1998                   |
|          |                          | Engine 1Z                   |
|          | Toledo 1.9 TDi (66 kW)   | 1998-2004                   |
|          |                          | Engine AGR, ALH             |
|          | Toledo 1.9 TDi (81 kW)   | 1998-2004                   |
|          |                          | Engine AHF, ASV             |
| Toledo   |                          |                             |
|          | Toledo 1.4 16V           | 2006-2007                   |
|          |                          | Engine BXW                  |
|          | Toledo 1.6               | 2004-2009                   |
|          |                          | Engine BSE, BSF, CCSA, CMXA |
|          | Toledo 1.8 TSI           | 2007-2009                   |
|          |                          | Engine BYT, BZB             |
|          | Toledo 2.0 FSI           | 2004-2009                   |
|          |                          | Engine                      |
| Alhambra |                          |                             |
|          | Alhambra 2.0             | 1996-2000                   |
|          |                          | Engine ADY                  |
|          | Alhambra 1.8 20VT        | 1997-2000                   |
|          |                          | Engine AJH                  |
|          | Alhambra 1.8 20VT        | 2000-2010                   |
|          |                          | Engine AWC                  |
|          | Alhambra 2.0             | 2000-2010                   |
|          |                          | Engine ATM                  |
|          | Alhambra 2.8 V6          | 2000-2010                   |
|          |                          | Engine AYL, AUE             |
|          | Alhambra 2.8 V6 4x4      | 2001-2005                   |
|          |                          | Engine AYL, AUE             |
|          | Alhambra 1.9 TDi (66 kW) | 1996-2000                   |
|          |                          | Engine 1Z, AHU              |
|          | Alhambra 1.9 TDi (81 kW) | 1996-2000                   |
|          |                          | Engine AFN                  |
| Skoda    |                          |                             |
|          | 105                      |                             |
|          |                          | 105 1984-1988               |
|          |                          | Engine                      |
|          | 120                      |                             |
|          |                          | 120 1984-1991               |
|          |                          | Engine                      |
|          | Rapid Coupé 120          | 1984-1991                   |
|          |                          | Engine                      |
|          | 130                      |                             |
|          |                          | 130 1984-1991               |
|          |                          | Engine                      |
|          | Rapid Coupé 130          | 1984-1991                   |
|          |                          | Engine                      |
| Favorit  |                          |                             |
|          | Favorit 115              | 1989-1994                   |
|          |                          | Engine                      |
|          | Favorit 135              | 1989-1994                   |
|          |                          | Engine                      |
|          | Favorit 136              | 1989-1994                   |
|          |                          | Engine                      |
| Felicia  |                          |                             |
|          | Felicia 1.3 (40 kW)      | 1994-1996                   |
|          |                          | Engine 40-x                 |
|          | Felicia 1.3 (40 kW)      | 1996-2001                   |
|          |                          | Engine AMG                  |
|          | Felicia 1.3 (43 kW)      | 1994-1996                   |
|          |                          | Engine 43*                  |
|          | Felicia 1.3 (43 kW)      | 1996-2001                   |
|          |                          | Engine AMJ                  |
|          | Felicia 1.3 (50 kW)      | 1994-1996                   |
|          |                          | Engine 50-x                 |
|          | Felicia 1.3 (50 kW)      | 1996-2001                   |
|          |                          | Engine AMH                  |
|          | Felicia 1.6              | 1995-2001                   |

|                                      |                                |
|--------------------------------------|--------------------------------|
|                                      | Engine AEE                     |
| Felicia 1.9 D                        | 1996-2001                      |
|                                      | Engine AEF                     |
| Fabia                                |                                |
| Fabia 1.0                            | 2000-2002                      |
|                                      | Engine ARV                     |
| Fabia 1.2 6V                         | 2002-2007                      |
|                                      | Engine AWY                     |
| Fabia 1.2 12V                        | 2003-2007                      |
|                                      | Engine AZQ                     |
| Fabia 1.4 (44 kW)                    | 2000-2002                      |
|                                      | Engine AME                     |
| Fabia 1.4 (50 kW)                    | 2000-2003                      |
|                                      | Engine AME                     |
| Fabia 1.4 16V (55 kW)                | 2003-2007                      |
|                                      | Engine BBY                     |
| Fabia 1.4 16V (74 kW)                | 2000-2007                      |
|                                      | Engine AUB                     |
| Fabia 2.0                            | 2000-2007                      |
|                                      | Engine AZL                     |
| Fabia 1.9 SDI                        | 2000-2005                      |
|                                      | Engine ASY                     |
| Fabia II                             |                                |
| Fabia II 1.2 6V                      | 2007-2010                      |
|                                      | Engine BBM                     |
| Fabia II 1.2 12V                     | 2007-2010                      |
|                                      | Engine BZG                     |
| Fabia II 1.4 16V (63 kW)             | 2007-2010                      |
|                                      | Engine BXW                     |
| Fabia II 1.6 16V                     | 2007-2010                      |
|                                      | Engine BTS                     |
| Roomster                             |                                |
| Roomster 1.2 12V (47 kW)             | 2006-2010                      |
|                                      | Engine BME                     |
| Roomster 1.2 12V (51 kW)             | 2006-2010                      |
|                                      | Engine BZG                     |
| Roomster 1.4 16V                     | 2006-2010                      |
|                                      | Engine BXW                     |
| Octavia I                            |                                |
| Octavia I 1.4 (44 kW)                | 1999-2000                      |
|                                      | Engine AMD                     |
| Octavia I 1.4 (55 kW)                | 2000-2002                      |
|                                      | Engine AXP                     |
| Octavia I 1.4 (55 kW)                | 2002-2010                      |
|                                      | Engine BCA                     |
| Octavia I 1.6 (55 kW)                | 1996-2000                      |
|                                      | Engine AEE                     |
| Octavia I 1.6 (55 kW)                | 2000-2004                      |
|                                      | Engine AEE                     |
| Octavia I 1.6 (74 kW)                | 1997-2000                      |
|                                      | Engine AEH, AKL                |
| Octavia I 1.6 (74 kW)                | 2000-2004                      |
|                                      | Engine AEH, AKL                |
| Octavia I 1.6 (75 kW)                | 2000-2010                      |
|                                      | Engine AVU, BFQ                |
| Octavia I 1.8 20V (92 kW)            | 1997-2000                      |
|                                      | Engine AGN                     |
| Octavia I 1.8 20V Turbo (110 kW)     | 1998-2000                      |
|                                      | Engine AGU, ARZ, AUM           |
| Octavia I 1.8 20V Turbo (110 kW)     | 2000-2010                      |
|                                      | Engine AGU, ARZ, AUM           |
| Octavia I 1.8 20V Turbo 4x4 (110 kW) | 2000-2006                      |
|                                      | Engine ARX                     |
| Octavia I 1.8 20V Turbo (132 kW)     | 2000-2006                      |
|                                      | Engine AUQ                     |
| Octavia I 2.0                        | 1999-2000                      |
|                                      | Engine AEG, APK, AQY, AZH, AZJ |
| Octavia I 2.0 4x4                    | 1999-2000                      |
|                                      | Engine AEG, APK, AQY, AZH, AZJ |
| Octavia I 2.0                        | 2000-2007                      |
|                                      | Engine AEG, APK, AQY, AZH, AZJ |
| Octavia I 2.0 4x4                    | 2000-2007                      |
|                                      | Engine AEG, APK, AQY, AZH, AZJ |
| Octavia I 1.9 SDI                    | 1997-2000                      |
|                                      | Engine AGP                     |
| Octavia I 1.9 SDI                    | 2000-2004                      |
|                                      | Engine AQM                     |
| Octavia I 1.9 TDI (66 kW)            | 1996-2000                      |
|                                      | Engine AGR                     |
| Octavia I 1.9 TDI (66 kW)            | 2000-2010                      |
|                                      | Engine AGR, ALH                |
| Octavia I 1.9 TDI (66 kW) 4x4        | 2000-2006                      |

|            |                                 |                                     |
|------------|---------------------------------|-------------------------------------|
|            |                                 | Engine AGR                          |
|            | Octavia I 1.9 TDI (81 kW)       | 1997-2000                           |
|            |                                 | Engine AHF, ASV                     |
|            | Octavia I 1.9 TDI (81 kW)       | 2000-2006                           |
|            |                                 | Engine AHF, ASV                     |
| Octavia II |                                 |                                     |
|            | Octavia II 1.4 16V (55 kW)      | 2004-2006                           |
|            |                                 | Engine BCA                          |
|            | Octavia II 1.4 16V (59 kW)      | 2004-2010                           |
|            |                                 | Engine BUD                          |
|            | Octavia II 1.6                  | 2004-2005                           |
|            |                                 | Engine BGU                          |
|            | Octavia II 1.6                  | 2005-2008                           |
|            |                                 | Engine BSE, BSF                     |
|            | Octavia II 1.6 16V FSI          | 2004-2009                           |
|            |                                 | Engine BLF                          |
|            | Octavia II 2.0 16V FSI          | 2004-2009                           |
|            |                                 | Engine BLR, BLX, BLY, BVX, BVY, BVZ |
|            | Octavia II 2.0 16V FSI 4x4      | 2004-2009                           |
|            |                                 | Engine BLR, BLX, BLY, BVX, BVY, BVZ |
| Superb     |                                 |                                     |
|            | Superb 1.8 20VT                 | 2001-2008                           |
|            |                                 | Engine AWT                          |
|            | Superb 2.0                      | 2001-2008                           |
|            |                                 | Engine AZM                          |
|            | Superb 2.8 V6 30V               | 2001-2008                           |
|            |                                 | Engine AMX                          |
|            | Superb 2.5 TDi (114 kW)         | 2001-2003                           |
|            |                                 | Engine AYM                          |
|            | Superb 2.5 TDi (120 kW)         | 2003-2008                           |
|            |                                 | Engine BDG                          |
| smart      |                                 |                                     |
|            | forfour                         |                                     |
|            | forfour 1.0 454.033             | 2005-2006                           |
|            |                                 | Engine M 134.911                    |
|            | forfour 1.1 454.030             | 2004-2006                           |
|            |                                 | Engine M 134.910                    |
|            | forfour 1.3 454.031             | 2004-2006                           |
|            |                                 | Engine M 135.930                    |
|            | forfour 1.5 454.032             | 2004-2006                           |
|            |                                 | Engine M 135.950                    |
|            | forfour 1.5 Brabus 454.034      | 2005-2006                           |
|            |                                 | Engine M 122.950                    |
|            | forfour 1.5 cdi (50 kW) 454.000 | 2004-2006                           |
|            |                                 | Engine OM 639.939                   |
|            | forfour 1.5 cdi (70 kW) 454.001 | 2004-2006                           |
|            |                                 | Engine OM 639.939                   |
| Ssangyong  |                                 |                                     |
|            | Chairman H                      |                                     |
|            | Chairman H 2.3 16V CM400        | 2004-2006                           |
|            |                                 | Engine M161 (E23)                   |
|            | Chairman H 2.8 24V CM500        | 2004-2007                           |
|            |                                 | Engine M162 (E28)                   |
|            | Chairman H 3.2 24V CM600        | 2004-2007                           |
|            |                                 | Engine M162 (E32)                   |
|            | Korando                         |                                     |
|            | Korando 2.3 16V                 | 1998-2007                           |
|            |                                 | Engine M 111 E23                    |
|            | Korando 3.2 24V                 | 1998-2007                           |
|            |                                 | Engine M 104.981 E32                |
|            | Korando 2.3 D                   | 1998-2007                           |
|            |                                 | Engine Mercedes-Benz OM601          |
|            | Korando 2.9 D                   | 1998-2007                           |
|            |                                 | Engine Mercedes-Benz OM662          |
|            | Korando 2.9 TD (88 kW)          | 1998-2007                           |
|            |                                 | Engine D29ST/ OM 662                |
|            | Korando 2.9 TD (95 kW)          | 1998-2007                           |
|            |                                 | Engine Mercedes-Benz OM662          |
|            | Kyron                           |                                     |
|            | Kyron M230 2WD                  | 2007-                               |
|            |                                 | Engine G23D/M161.970                |
|            | Kyron M230 4WD                  | 2007-                               |
|            |                                 | Engine G23D/M161.970                |
|            | Kyron M320 4WD                  | 2007-                               |
|            |                                 | Engine G32D/M162.990                |
|            | Kyron XDi200 2WD                | 2005-2007                           |
|            |                                 | Engine D20DT                        |
|            | Kyron XDi200 4WD                | 2005-2007                           |
|            |                                 | Engine D20DT                        |
|            | Kyron XDi200 XVT 2WD            | 2007-                               |
|            |                                 | Engine D20DT                        |
|            | Kyron XDi200 XVT 4WD            | 2007-                               |

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|                 |                                   |
|-----------------|-----------------------------------|
|                 | Engine D20DT                      |
|                 | Kyron XDi270 4WD 2005-2007        |
|                 | Engine D27DT                      |
|                 | Kyron XDi270 2WD 2007-            |
|                 | Engine D27DT                      |
|                 | Kyron XDi270 4WD 2007-            |
|                 | Engine D27DT                      |
| Actyon          |                                   |
|                 | Actyon M230 2WD 2008-             |
|                 | Engine G23D/M161.970              |
|                 | Actyon M230 4WD 2008-             |
|                 | Engine G23D/M161.970              |
|                 | Actyon 2.0 CRDi 2WD 2006-2008     |
|                 | Engine D20DT                      |
|                 | Actyon 2.0 CRDi 4WD 2006-2008     |
|                 | Engine D20DT                      |
|                 | Actyon XDi200 2WD 2008-           |
|                 | Engine D20DT                      |
|                 | Actyon XDi200 4WD 2008-           |
|                 | Engine D20DT                      |
| Musso           |                                   |
|                 | Musso 2.3 16V 1995-1999           |
|                 | Engine M 111 E23                  |
|                 | Musso 2.3 16V 1999-2005           |
|                 | Engine M 111 E23                  |
|                 | Musso 3.2 24V 1994-1999           |
|                 | Engine M 104.981 E32              |
|                 | Musso 3.2 24V 1999-2005           |
|                 | Engine M 104.981 E32              |
|                 | Musso 2.3 D 1999-2005             |
|                 | Engine Mercedes-Benz OM601        |
|                 | Musso 2.9 D 1999-2005             |
|                 | Engine Mercedes-Benz OM662        |
|                 | Musso 2.9 TD 1998-2005            |
|                 | Engine Mercedes-Benz OM662        |
| Rexton          |                                   |
|                 | Rexton 230 2002-2006              |
|                 | Engine G23D/M161.970              |
|                 | Rexton 320 2002-2006              |
|                 | Engine G32D/M162.990              |
|                 | Rexton M320 4WD 2010-             |
|                 | Engine G32D/M162.990              |
|                 | Rexton 270 XDi 2004-2006          |
|                 | Engine D27DT                      |
|                 | Rexton 270 XDi 2006-2009          |
|                 | Engine D27DT                      |
|                 | Rexton RX270 2WD 2010-            |
|                 | Engine D27DT                      |
|                 | Rexton RX270 XVT 2WD 2010-        |
|                 | Engine D27DTP                     |
|                 | Rexton RX270 4WD 2010-            |
|                 | Engine D27DT                      |
|                 | Rexton RX270 XVT 4WD 2010-        |
|                 | Engine D27DTP                     |
|                 | Rexton 290 Td 2002-2006           |
|                 | Engine D29ST/ OM 662              |
| Rodius / Stavic |                                   |
|                 | Rodius / Stavic 320 2005-2009     |
|                 | Engine G32D/M162.990              |
|                 | Rodius / Stavic 270 XDi 2005-2009 |
|                 | Engine D27DT                      |
| Subaru          |                                   |
| Vivio           |                                   |
|                 | Vivio 1992-1994                   |
|                 | Engine                            |
|                 | Vivio 4WD 1992-1994               |
|                 | Engine                            |
|                 | Vivio 1995-1996                   |
|                 | Engine                            |
|                 | Vivio 4WD 1995-1996               |
|                 | Engine                            |
|                 | Vivio 1997-1998                   |
|                 | Engine                            |
|                 | Vivio 4WD 1997-1998               |
|                 | Engine                            |
|                 | Vivio 1998-2000                   |
|                 | Engine                            |
|                 | Vivio 4WD 1998-2000               |
|                 | Engine                            |
| Justy           |                                   |
|                 | Justy 1.0 1991-1996               |
|                 | Engine                            |

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|          |                       |           |                    |
|----------|-----------------------|-----------|--------------------|
|          | Justy 1.0 ECVT        | 1991-1996 | Engine             |
|          | Justy 1.0 4WD         | 1991-1996 | Engine             |
|          | Justy 1.2             | 1991-1996 | Engine             |
|          | Justy 1.2 ECVT        | 1991-1996 | Engine             |
|          | Justy 1.2 4WD         | 1991-1996 | Engine             |
|          | Justy 1.2 ECVT 4WD    | 1991-1996 | Engine             |
|          | Justy 1.3             | 1996-2003 | Engine G13BA       |
|          | G3X Justy 1.3 16V     | 2003-2007 | Engine M13A        |
|          | G3X Justy 1.5 16V     | 2003-2007 | Engine M15A        |
| Trezia   |                       |           |                    |
|          | Trezia 1.3i           | 2011-     | Engine 1NR-FE      |
|          | Trezia 1.5i           | 2011-     | Engine 1NZ-FE      |
| Impreza  |                       |           |                    |
|          | Impreza 1.6           | 1993-2000 | Engine EJ 16S      |
|          | Impreza 1.6 4WD       | 1993-2000 | Engine EJ 16S      |
|          | Impreza 1.8 4WD       | 1993-1995 | Engine EJ 18S      |
|          | Impreza 2.0 4WD       | 1995-1998 | Engine EJ 20G      |
|          | Impreza 2.0 4WD       | 1998-2000 | Engine EJ 20G      |
|          | Impreza 2.0 Turbo 4WD | 1994-1998 | Engine EJ 20       |
|          | Impreza 2.0 Turbo 4WD | 1998-2000 | Engine EJ 20 T     |
|          | Impreza 2.5 4WD       | 1998-2000 | Engine EJ 25       |
| Impreza  |                       |           |                    |
|          | Impreza 1.5R          | 2005-2007 | Engine EJ 15       |
|          | Impreza 1.6           | 2000-2003 | Engine EJ 16       |
|          | Impreza 1.6           | 2003-2005 | Engine EJ 16       |
|          | Impreza 2.0           | 2000-2003 | Engine EJ 20       |
|          | Impreza 2.0 4WD       | 2003-2005 | Engine EJ 20G      |
|          | Impreza 2.0R          | 2005-2007 | Engine             |
|          | Impreza 2.0 WRX       | 2000-2003 | Engine EJ 20 turbo |
|          | Impreza 2.0 WRX       | 2003-2005 | Engine EJ 20 turbo |
|          | Impreza 2.0 WRX STi   | 2000-2003 | Engine EJ 20 turbo |
|          | Impreza 2.0 WRX STi   | 2003-2005 | Engine EJ 20 turbo |
|          | Impreza 2.5           | 2000-2003 | Engine EJ 25       |
|          | Impreza 2.5 WRX       | 2005-2007 | Engine             |
|          | Impreza 2.5 WRX STi   | 2005-2007 | Engine             |
| Impreza  |                       |           |                    |
|          | Impreza 1.5R          | 2008-2012 | Engine EJ 15       |
|          | Impreza 1.5R AWD      | 2007-2012 | Engine EJ 15       |
|          | Impreza 2.0R          | 2007-2012 | Engine             |
|          | Impreza 2.5i          | 2007-2011 | Engine EJ 253      |
|          | Impreza 2.5T WRX      | 2007-2011 | Engine EJ 255      |
|          | Impreza 2.5T WRX STi  | 2007-2011 | Engine EJ 257      |
| Forester |                       |           |                    |
|          | Forester 2.0          | 1997-1998 |                    |

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|                  |                                |                    |
|------------------|--------------------------------|--------------------|
|                  |                                | Engine EJ 20J      |
|                  | Forester 2.0                   | 1999-2002          |
|                  |                                | Engine EJ 20J      |
|                  | Forester 2.0 T                 | 1999-2002          |
|                  |                                | Engine             |
| Forester         |                                |                    |
|                  | Forester 2.0                   | 2002-2005          |
|                  |                                | Engine EJ 20J      |
|                  | Forester 2.0                   | 2005-2008          |
|                  |                                | Engine             |
|                  | Forester 2.0 T                 | 2002-2005          |
|                  |                                | Engine             |
|                  | Forester 2.5                   | 2005-2008          |
|                  |                                | Engine             |
|                  | Forester 2.5 T                 | 2005-2008          |
|                  |                                | Engine             |
| Forester         |                                |                    |
|                  | Forester 2.0                   | 2008-2013          |
|                  |                                | Engine             |
|                  | Forester 2.5                   | 2008-2011          |
|                  |                                | Engine EJ 253      |
| Legacy / Outback |                                |                    |
|                  | Legacy / Outback 1.6           | 1992-1994          |
|                  |                                | Engine EJ 16       |
|                  | Legacy / Outback 1.8           | 1992-1994          |
|                  |                                | Engine EJ 18       |
|                  | Legacy / Outback 1.8 4WD       | 1992-1994          |
|                  |                                | Engine EJ 18       |
|                  | Legacy / Outback 2.0           | 1992-1994          |
|                  |                                | Engine EJ 20       |
|                  | Legacy / Outback 2.0 4WD       | 1992-1994          |
|                  |                                | Engine EJ 20       |
|                  | Legacy / Outback 2.2           | 1992-1994          |
|                  |                                | Engine EJ 22       |
|                  | Legacy / Outback 2.2 4WD       | 1992-1994          |
|                  |                                | Engine EJ 22       |
| Legacy / Outback |                                |                    |
|                  | Legacy / Outback 2.0 Turbo 4WD | 1994-1996          |
|                  |                                | Engine EJ 20 turbo |
|                  | Legacy / Outback 2.2           | 1994-1998          |
|                  |                                | Engine EJ 22E      |
|                  | Legacy / Outback 2.2 4WD       | 1994-1998          |
|                  |                                | Engine EJ 22E      |
|                  | Legacy / Outback 2.0           | 1994-1999          |
|                  |                                | Engine EJ 20       |
|                  | Legacy / Outback 2.0 4WD       | 1994-1999          |
|                  |                                | Engine EJ 20       |
| Legacy / Outback |                                |                    |
|                  | Legacy / Outback 2.0           | 1998-2004          |
|                  |                                | Engine EJ 20       |
|                  | Legacy / Outback 2.0 4WD       | 1998-2004          |
|                  |                                | Engine EJ 20       |
|                  | Legacy / Outback 2.5 4WD       | 1998-2004          |
|                  |                                | Engine EJ 25       |
| Legacy / Outback |                                |                    |
|                  | Legacy / Outback 2.0           | 2004-2006          |
|                  |                                | Engine EJ 20       |
|                  | Legacy / Outback 2.5           | 2004-2006          |
|                  |                                | Engine EJ 25       |
|                  | Legacy / Outback 2.5           | 2006-2009          |
|                  |                                | Engine EJ 253      |
|                  | Legacy / Outback 3.0           | 2004-2007          |
|                  |                                | Engine EZ 30       |
|                  | Legacy / Outback 3.0           | 2007-2009          |
|                  |                                | Engine EZ30D       |
| Legacy / Outback |                                |                    |
|                  | Legacy / Outback 2.5i          | 2009-2011          |
|                  |                                | Engine EJ 253      |
|                  | Legacy / Outback 3.6R          | 2009-2011          |
|                  |                                | Engine EZ36D       |
| SVX              |                                |                    |
|                  | SVX 3.3                        | 1992-1997          |
|                  |                                | Engine EG33        |
| Tribeca (B9)     |                                |                    |
|                  | Tribeca (B9)                   | 2006-2008          |
|                  |                                | Engine EZ 30       |
|                  | Tribeca                        | 2008-2011          |
|                  |                                | Engine EZ36D       |
| Suzuki           |                                |                    |
|                  | Alto                           |                    |
|                  | Alto SB 308                    | 1985-1994          |
|                  |                                | Engine F8B         |



# Lubricant Report

|            |   |
|------------|---|
|            | Alto 1.0 SH 410 1994-2000<br>Engine G10B                |
|            | Alto 1.0 SH 410 2000-2002<br>Engine G10BB               |
|            | Alto 1.0 AMF310 2009-<br>Engine K10B                    |
|            | Alto 1.1 RF 410 2002-2009<br>Engine F10D                |
| Cappuccino | Cappuccino SX 306 1991-1998<br>Engine F6A               |
| Wagon R+   | Wagon R+ 1.0 1997-2000<br>Engine K10A                   |
|            | Wagon R+ 1.0 2002-2006<br>Engine G10A                   |
|            | Wagon R+ 1.0 2006-2008<br>Engine Z10XEP                 |
|            | Wagon R+ 1.2 1998-2000<br>Engine K10A                   |
|            | Wagon R+ 1.2 2006-2008<br>Engine Z12XEP                 |
|            | Wagon R+ 1.3 2000-2003<br>Engine G13BB                  |
|            | Wagon R+ 1.3 2003-2006<br>Engine M 13A                  |
|            | Wagon R+ 1.3 Diesel 2003-2006<br>Engine Z13DT           |
| Splash     | Splash 1.0 A5B310 2008-2012<br>Engine K10B              |
|            | Splash 1.0 A5B310 2012-<br>Engine K10B                  |
|            | Splash 1.2 A5B412 2008-2010<br>Engine K12B              |
|            | Splash 1.2 A5B412 2010-<br>Engine K12B                  |
|            | Splash 1.3 Diesel A5B413D 2008-2010<br>Engine Z13DT     |
|            | Splash 1.3 Diesel DPF A5B413D 2008-2010<br>Engine Z13DT |
| Swift      | Swift 1.0 SF310 1989-1993<br>Engine G10A                |
|            | Swift 1.0 SF310 1994-2000<br>Engine G10A                |
|            | Swift 1.0 SF310 2001-2003<br>Engine G10A                |
|            | Swift 1.3 SF413 1989-1993<br>Engine G13BA               |
|            | Swift 1.3 SF413 1994-2000<br>Engine G13BA               |
|            | Swift 1.3 16V GTi SF413 1989-1997<br>Engine G13B        |
|            | Swift 1.3 16V SF413 2001-2003<br>Engine G13BB (SOHC)    |
|            | Swift 1.6 SF416 1989-1997<br>Engine G16B                |
|            | Swift 1.6 4x4 SF416 1991-1997<br>Engine G16B            |
| Swift      | Swift 1.3 RS413 2004-2010<br>Engine M 13A               |
|            | Swift 1.3 4x4 RS413 2004-2010<br>Engine M 13A           |
|            | Swift 1.5 RS415 2004-2010<br>Engine M 15A               |
|            | Swift 1.6 RS416 2006-2010<br>Engine M 16A               |
|            | Swift 1.3 Diesel RS413D 2005-2010<br>Engine Z13DT       |
|            | Swift 1.3 Diesel DPF RS413D 2005-2010<br>Engine Z13DT   |
| Swift      | Swift 1.6 AZG416 2012-<br>Engine M16A VVT               |
| Ignis      | Ignis 1.3 RM413 2001-2005<br>Engine M 13A               |
|            | Ignis 1.3 4x4 RM413 2001-2005<br>Engine M 13A           |
|            | Ignis 1.3 RM413 2003-2006                               |

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|         |  |
|---------|--|
|         | Engine M 13A                             |
|         | Ignis 1.3 4x4 RM413 2003-2006            |
|         | Engine M 13A                             |
|         | Ignis 1.5 RM415 2003-2006                |
|         | Engine M 15A                             |
|         | Ignis 1.5 4x4 RM415 2003-2006            |
|         | Engine M 15A                             |
| SX4     |  |
|         | SX4 1.5 RW 415 2006-2009                 |
|         | Engine M 15A                             |
|         | SX4 1.6 VVT (79 kW) RW 416 2006-2009     |
|         | Engine M16A VVT                          |
|         | SX4 1.6 VVT 4x4 (79 kW) RW 416 2006-2009 |
|         | Engine M16A VVT                          |
|         | SX4 1.6 VVT (88 kW) RW 416 2009-2013     |
|         | Engine M16A VVT                          |
|         | SX4 1.6 VVT 4x4 (88 kW) RW 416 2009-2013 |
|         | Engine M16A VVT                          |
| Baleno  |  |
|         | Baleno 1.3 1995-2000                     |
|         | Engine G13BB                             |
|         | Baleno 1.3 2001-2002                     |
|         | Engine G13BB                             |
|         | Baleno 1.6 1995-2000                     |
|         | Engine G16B                              |
|         | Baleno 1.6 2001-2002                     |
|         | Engine G16B                              |
|         | Baleno 1.6 4x4 1995-2000                 |
|         | Engine G16B                              |
|         | Baleno 1.6 4x4 2001-2002                 |
|         | Engine G16B                              |
|         | Baleno 1.8 1998-2000                     |
|         | Engine J18A                              |
|         | Baleno 1.8 2001-2002                     |
|         | Engine J18A                              |
|         | Baleno 1.9 TD 2000-2000                  |
|         | Engine DHW turbo (XUD9SD)                |
|         | Baleno 1.9 TD 2001-2002                  |
|         | Engine DHW turbo (XUD9SD)                |
| Liana   |  |
|         | Liana 1.3 RH 413 2001-2003               |
|         | Engine M 13A                             |
|         | Liana 1.3 RH 413 2004-2007               |
|         | Engine M 13A                             |
|         | Liana 1.6 RH 416 2001-2003               |
|         | Engine M 16A                             |
|         | Liana 1.6 RH 416 2004-2007               |
|         | Engine M16A VVT                          |
|         | Liana 1.6 4x4 RH 416 2001-2003           |
|         | Engine M 16A                             |
|         | Liana 1.8 RH 418 2004-2007               |
|         | Engine M18A                              |
|         | Liana 1.4 Diesel RH 414D 2004-2006       |
|         | Engine DV4TED4                           |
| Kizashi |  |
|         | Kizashi 2.4 A6B424 2010-                 |
|         | Engine J24B                              |
|         | Kizashi 2.4 4x4 A6B424 2010-             |
|         | Engine J24B                              |
| Samurai |  |
|         | Samurai 1990-1998                        |
|         | Engine                                   |
| Jimny   |  |
|         | Jimny 1.3 2WD 1998-2001                  |
|         | Engine G13BB                             |
|         | Jimny 1.3 4WD 1998-2001                  |
|         | Engine G13BB                             |
|         | Jimny 1.3 4WD 2001-2005                  |
|         | Engine M 13A                             |
|         | Jimny 1.3 4WD 2005-2010                  |
|         | Engine M 13A                             |
|         | Jimny 1.3 4WD 2010-                      |
|         | Engine M 13A                             |
|         | Jimny 1.5 Diesel 4WD 2004-2005           |
|         | Engine K9K                               |
|         | Jimny 1.5 Diesel 4WD 2005-2010           |
|         | Engine K9K                               |
| X-90    |  |
|         | X-90 1991-2000                           |
|         | Engine G16B                              |
| Vitara  |  |
|         | Vitara 1.6 1991-1991                     |

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|-------------------------|---------------------------|---------------------------|
|                         |                           | Engine G16A               |
|                         | Vitara 1.6 16V            | 1991-1998                 |
|                         |                           | Engine G16B               |
|                         | Vitara 2.0 16V            | 1997-1998                 |
|                         |                           | Engine J20A               |
|                         | Vitara 2.0 V6             | 1995-1998                 |
|                         |                           | Engine H20A               |
|                         | Vitara 1.9 TD             | 1996-1998                 |
|                         |                           | Engine DHW turbo (XUD9SD) |
| Grand Vitara            |                           |                           |
|                         | Grand Vitara 1.6          | 2000-2005                 |
|                         |                           | Engine G16B               |
|                         | Grand Vitara 1.6 JB416    | 2005-2008                 |
|                         |                           | Engine M 16A              |
|                         | Grand Vitara 1.6 JB416    | 2008-                     |
|                         |                           | Engine M 16A              |
|                         | Grand Vitara 2.0          | 1998-2005                 |
|                         |                           | Engine J20A               |
|                         | Grand Vitara 2.0 JB420    | 2005-2008                 |
|                         |                           | Engine J20A               |
|                         | Grand Vitara 2.0 JB420    | 2008-2010                 |
|                         |                           | Engine J20A               |
|                         | Grand Vitara 2.0 JB420    | 2010-                     |
|                         |                           | Engine J20A               |
|                         | Grand Vitara 2.4 JB424    | 2008-                     |
|                         |                           | Engine J24B               |
|                         | Grand Vitara 2.5 V6       | 1998-2005                 |
|                         |                           | Engine H25A               |
|                         | Grand Vitara XL-7 2.7 V6  | 2001-2005                 |
|                         |                           | Engine H27A               |
|                         | Grand Vitara 2.7 V6 JB627 | 2005-2007                 |
|                         |                           | Engine H27A               |
|                         | Grand Vitara 3.2 V6 JB632 | 2008-2010                 |
|                         |                           | Engine N32A               |
| Tagaz                   |                           |                           |
|                         | Tager                     |                           |
|                         | Tager 2.3 16V             | 2008-                     |
|                         |                           | Engine G23D (MB M161)     |
|                         | Tager 3.2 V6              | 2008-                     |
|                         |                           | Engine G32D (MB M162)     |
|                         | Tager 2.6 D               | 2008-                     |
|                         |                           | Engine DA26               |
|                         | Tager 2.9 TD              | 2008-                     |
|                         |                           | Engine DB29 (MB OM662)    |
| The London Taxi Company |                           |                           |
|                         | TX                        |                           |
|                         | TX4 Euro 4                | 2008-                     |
|                         |                           | Engine VM R425            |
| Toyota EU               |                           |                           |
|                         | iQ                        |                           |
|                         | iQ 1.0 VVT-i              | 2008-2013                 |
|                         |                           | Engine 1KR-FE             |
|                         | iQ 1.0 VVT-i              | 2013-                     |
|                         |                           | Engine 1KR-FE             |
|                         | iQ 1.3 VVT-i              | 2009-2013                 |
|                         |                           | Engine 1NR-FE             |
|                         | iQ 1.3 VVT-i              | 2013-                     |
|                         |                           | Engine 1NR-FE             |
|                         | Aygo                      |                           |
|                         | Aygo 1.0 12V VVT-i        | 2005-2009                 |
|                         |                           | Engine 1KR-FE             |
|                         | Aygo 1.0 12V VVT-i        | 2009-2011                 |
|                         |                           | Engine 1KR-FE             |
|                         | Aygo 1.0 12V VVT-i        | 2012-                     |
|                         |                           | Engine 1KR-FE             |
|                         | Starlet                   |                           |
|                         | Starlet 1.0               | 1990-1996                 |
|                         |                           | Engine 1E                 |
|                         | Starlet 1.3               | 1990-1996                 |
|                         |                           | Engine 2E                 |
|                         | Starlet 1.3i              | 1990-1996                 |
|                         |                           | Engine 2E-E               |
|                         | Starlet 1.3i 16V          | 1996-1998                 |
|                         |                           | Engine 4E-FE              |
|                         | Yaris                     |                           |
|                         | Yaris 1.0 16V VVT-i       | 1998-2005                 |
|                         |                           | Engine 1SZ-FE             |
|                         | Yaris 1.3 16V VVT-i       | 1998-2005                 |
|                         |                           | Engine 2NZ-FE             |
|                         | Yaris 1.5 16V VVT-i       | 2001-2005                 |
|                         |                           | Engine 1NZ-FE             |
|                         | Yaris/Echo Verso          |                           |

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|-----------------|--|
|                 | Yaris Verso 1.3 16V VVT-i 1999-2006<br>Engine 2NZ-FE         |
|                 | Yaris Verso 1.5 16V VVT-i 1999-2006<br>Engine 1NZ-FE         |
| Yaris           | Yaris 1.0 12V VVT-i 2005-2009<br>Engine 1KR-FE               |
|                 | Yaris 1.0 12V VVT-i 2009-2011<br>Engine 1KR-FE               |
|                 | Yaris 1.3 16V VVT-i (63 kW) 2005-2009<br>Engine 2NZ-FE       |
|                 | Yaris 1.3 16V VVT-i (64 kW) 2005-2009<br>Engine 2SZ-FE       |
|                 | Yaris 1.3 16V VVT-i 2009-2011<br>Engine 1NR-FE               |
|                 | Yaris 1.5 16V VVT-i 2005-2009<br>Engine 1NZ-FE               |
|                 | Yaris 1.8 16V VVT-i 2009-2011<br>Engine 2ZR-FAE              |
| Yaris           | Yaris 1.0 12V VVT-i 2011-<br>Engine 1KR-FE                   |
|                 | Yaris 1.3 16V VVT-i 2011-<br>Engine 1NR-FE                   |
|                 | Yaris 1.5 Full Hybrid 2012-<br>Engine 1NZ-FXE                |
| Verso S/ Ractis | Verso S/ Ractis 1.3 VVT-i 2010-2012<br>Engine 1NR-FE         |
|                 | Verso S / Ractis 1.3 VVT-I 2013-<br>Engine 1NR-FE            |
|                 | Verso S/ Ractis 1.5 VVT-i 2010-2012<br>Engine 1NZ-FE         |
|                 | Verso S / Ractis 1.5 VVT-I 2013-<br>Engine 1NZ-FE            |
| Paseo           | Paseo 1.5i 1995-1999<br>Engine 5E-FE                         |
| Urban Cruiser   | Urban Cruiser 1.3 VVT-i 2WD 2009-<br>Engine 1NR-FE           |
| Corolla         | Corolla 1.3 1987-1992<br>Engine 2E, 2E-E                     |
|                 | Corolla 1.6 1987-1989<br>Engine 4A-F                         |
|                 | Corolla 1.6 4WD Escape 1989-1997<br>Engine 4A-F, 4A-FE       |
|                 | Corolla 1.6i 1987-1991<br>Engine 4AGE                        |
| Corolla         | Corolla 1.3i 12V 1992-1997<br>Engine 2E-E                    |
|                 | Corolla 1.3i 16V 1992-1997<br>Engine 4E-FE                   |
|                 | Corolla 1.6i 16V 1992-1997<br>Engine 4AFE                    |
| Corolla         | Corolla 1.3 16V 1997-1999<br>Engine 4E-FE                    |
|                 | Corolla 1.4 16V VVT-i 1999-2001<br>Engine 4ZZ-FE             |
|                 | Corolla 1.6 16V 1997-1999<br>Engine 4AFE                     |
|                 | Corolla 1.6 16V 1999-2000<br>Engine 4AFE                     |
|                 | Corolla 1.6 16V VVT-i 2000-2001<br>Engine 3ZZ-FE             |
|                 | Corolla 1.8 16V 1997-2002<br>Engine 7A-FE                    |
| Corolla         | Corolla 1.4 16V VVT-i 2002-2007<br>Engine 4ZZ-FE             |
|                 | Corolla 1.6 16V VVT-i 2002-2007<br>Engine 3ZZ-FE             |
|                 | Corolla 1.8 16V VVTL-i 2002-2007<br>Engine 2ZZ-GE            |
|                 | Corolla 1.8 16V VVTL-i Compressor 2005-2007<br>Engine 2ZZ-GE |
|                 | Corolla 2.0 D4-D (66 kW) 2002-2007<br>Engine 1CD-FTV         |
|                 | Corolla 2.0 D4-D (81 kW) 2002-2007                           |

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|               | Engine 1CD-FTV   |
| Corolla       | Corolla 2.0 D4-D (85 kW) 2002-2007<br>Engine 1CD-FTV     |
|               | Corolla 1.6 16V VVT-i 2007-<br>Engine 1ZR-FE             |
|               | Corolla 1.6 16V VVT-i 2009-<br>Engine 1ZR-FAE            |
| Corolla Verso | Corolla Verso 1.6 16V VVT-i 2002-2004<br>Engine 3ZZ-FE   |
|               | Corolla Verso 1.8 16V VVT-i 2002-2004<br>Engine 1ZZ-FE   |
|               | Corolla Verso 2.0 D4-D 2002-2004<br>Engine 1CD-FTV       |
| Corolla Verso | Corolla Verso 1.6 16V VVT-i 2004-2007<br>Engine 3ZZ-FE   |
|               | Corolla Verso 1.8 16V VVT-i 2004-2007<br>Engine 1ZZ-FE   |
|               | Corolla Verso 2.0 D4-D 2004-2007<br>Engine 1CD-FTV       |
|               | Corolla Verso 2.2 D4-D-F 2005-2007<br>Engine 2AD-FTV     |
|               | Corolla Verso 2.2 D4-D D-CAT 2005-2007<br>Engine 2AD-FHV |
| Verso         | Verso 1.6 16V VVT-i 2007-2009<br>Engine 3ZZ-FE           |
|               | Verso 1.8 16V VVT-i 2007-2009<br>Engine 1ZZ-FE           |
| Verso         | Verso 1.6 16V VVT-i 2009-2012<br>Engine 1ZR-FAE          |
|               | Verso 1.6 16V VVT-i 2012-<br>Engine 1ZR-FAE              |
|               | Verso 1.8 16V VVT-i 2009-2012<br>Engine 2ZR-FAE          |
|               | Verso 1.8 16V VVT-i 2012-<br>Engine 2ZR-FAE              |
|               | Verso 2.0 D-4D-F 2012-<br>Engine 1AD-FTV                 |
| Auris         | Auris 1.6 16V VVT-i 2007-2009<br>Engine 1ZR-FE           |
|               | Auris 1.6 16V VVT-i 2009-2013<br>Engine 1ZR-FE           |
|               | Auris 1.6 16V VVT-i 2009-2013<br>Engine 1ZR-FAE          |
|               | Auris 1.8 16V VVT-i 2007-2009<br>Engine 1ZZ-FE           |
|               | Auris 1.8 16V VVT-i 2009-2013<br>Engine 2ZR-FAE          |
|               | Auris HSD Full Hybrid 2010-2013<br>Engine 2ZR-FXE        |
| Auris         | Auris 1.3 VVT-i 2013-<br>Engine 1NR-FE                   |
|               | Auris 1.6 VVT-i 2013-<br>Engine 1ZR-FAE                  |
|               | Auris 1.8 Hybrid 2013-<br>Engine 2ZR-FXE                 |
| Prius         | Prius W1 2001-2003<br>Engine 1NZ-FXE                     |
|               | Prius THSD W2 2003-2009<br>Engine 1NZ-FXE                |
|               | Prius W3 2009-<br>Engine 2ZR-FXE                         |
|               | Prius Plug-in Hybrid W3 2012-<br>Engine 2ZR-FXE          |
|               | Prius+, Prius v W4 2011-<br>Engine 2ZR-FXE               |
| Carina E      | Carina E 1.6i 1992-1997<br>Engine 4AFE                   |
|               | Carina E 1.8i 1995-1997<br>Engine 7A-FE                  |
|               | Carina E 2.0i 1992-1997<br>Engine 3S-FE, 3S-GE           |
| Avensis       | Avensis 1.6 1997-2000                                    |

|                 |   |
|-----------------|---|
|                 | Engine 4AFE                             |
|                 | Avensis 1.6 16V VTT-i 2000-2002         |
|                 | Engine 3ZZ-FE                           |
|                 | Avensis 1.8 1997-2000                   |
|                 | Engine 7A-FE                            |
|                 | Avensis 1.8 16V VTT-i 2000-2002         |
|                 | Engine 1ZZ-FE                           |
|                 | Avensis 2.0 1997-2000                   |
|                 | Engine 3S-FE                            |
|                 | Avensis 2.0 16V VTT-i D4 2000-2002      |
|                 | Engine 1AZ-FSE                          |
| Avensis         |   |
|                 | Avensis 1.6 16V VVT-i 2003-2009         |
|                 | Engine 3ZZ-FE                           |
|                 | Avensis 1.8 16V VVT-i 2003-2009         |
|                 | Engine 1ZZ-FE                           |
|                 | Avensis 2.0 16V VTT-i D4 2003-2009      |
|                 | Engine 1AZ-FSE                          |
|                 | Avensis 2.4 16V VTT-i D4 2003-2009      |
|                 | Engine 2AZ-FSE                          |
|                 | Avensis 2.0 D4-D-F 2006-2009            |
|                 | Engine 1AD-FTV                          |
|                 | Avensis 2.2 D4-D 2005-2009              |
|                 | Engine 2AD-FTV                          |
|                 | Avensis 2.2 D4-D D-CAT 2005-2009        |
|                 | Engine 2AD-FHV                          |
| Avensis         |   |
|                 | Avensis 1.6 Valvematic 2009-            |
|                 | Engine 1ZR-FAE                          |
|                 | Avensis 1.8 Valvematic 2009-            |
|                 | Engine 2ZR-FAE                          |
|                 | Avensis 2.0 Valvematic 2009-            |
|                 | Engine 3ZR-FAE                          |
|                 | Avensis 2.0 (3ZR-FE) 2009-              |
|                 | Engine 3ZR-FE                           |
|                 | Avensis 2.0 (1AZ-FE) 2009-              |
|                 | Engine 1AZ-FE                           |
| Avensis Verso   |   |
|                 | Avensis Verso 2.0 16V VTT-i 2001-2006   |
|                 | Engine 1AZ-FE                           |
|                 | Avensis Verso 2.0 D4-D 2002-2006        |
|                 | Engine 1CD-FTV                          |
| Camry           |   |
|                 | Camry 1.8 1987-1991                     |
|                 | Engine 1S                               |
|                 | Camry 2.0i 1987-1991                    |
|                 | Engine 3S-FE                            |
|                 | Camry 2.0i 4WD 1988-1991                |
|                 | Engine 3S-FE                            |
|                 | Camry 2.2i 1992-1996                    |
|                 | Engine 5S-FE                            |
|                 | Camry 2.2i 1996-2001                    |
|                 | Engine 5S-FE                            |
|                 | Camry 2.5i 1988-1991                    |
|                 | Engine 2VZ-FE                           |
|                 | Camry 3.0i V6 1992-1996                 |
|                 | Engine 3VZ-FE                           |
|                 | Camry 3.0i V6 1996-2001                 |
|                 | Engine 1MZ-FE                           |
| Picnic          |   |
|                 | Picnic 2.0 1996-2001                    |
|                 | Engine 3S-FE                            |
| Previa / Tarago |   |
|                 | Previa / Tarago 2.4i 1990-2000          |
|                 | Engine 2TZ-FE                           |
|                 | Previa / Tarago 2.4i 4WD 1990-2000      |
|                 | Engine 2TZ-FE                           |
|                 | Previa / Tarago 2.4 16V VVT-i 2000-2005 |
|                 | Engine 2AZ-FE                           |
| MR2             |   |
|                 | MR2 2.0i 1990-1999                      |
|                 | Engine 3S-GE                            |
|                 | Engine 3S-FE                            |
|                 | MR2 2.2i 1991-1999                      |
|                 | Engine 3S-FE, 5S-FE                     |
| MR2             |   |
|                 | MR2 1.8 16V VVT-i 1999-2005             |
|                 | Engine 1ZZ-FE                           |
| Celica          |   |
|                 | Celica 1.6i 1990-1993                   |
|                 | Engine 4AFE                             |
|                 | Celica 1.8i 1994-1999                   |

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|-------------------------|--|--|
|                         | Engine 7A-FE                           |  |
|                         | Celica 1.8 VVT-i 1999-2005             |  |
|                         | Engine 1ZZ-FE                          |  |
|                         | Celica 1.8 VVTL-i 2000-2005            |  |
|                         | Engine 2ZZ-GE                          |  |
|                         | Celica 2.0i 1990-1993                  |  |
|                         | Engine 3S-GE                           |  |
|                         | Celica 2.0i 1994-1999                  |  |
|                         | Engine 3S-FE                           |  |
|                         | Engine 3S-GE                           |  |
|                         | Celica 2.0i Turbo 4WD 1990-1993        |  |
|                         | Engine 3S-GTE                          |  |
|                         | Celica 2.0i Turbo 4WD 1994-1999        |  |
|                         | Engine 3S-GTE                          |  |
|                         | Celica 2.2i 1994-1999                  |  |
|                         | Engine 5S-FE                           |  |
| Supra                   |  |  |
|                         | Supra 3.0i 1986-1989                   |  |
|                         | Engine 7M-GE                           |  |
|                         | Supra 3.0i 1993-2002                   |  |
|                         | Engine 2JZ-GE                          |  |
|                         | Supra 3.0i Turbo 1989-1993             |  |
|                         | Engine 7M-GTE                          |  |
|                         | Supra 3.0i Twin Turbo 1993-2002        |  |
|                         | Engine 2JZ-GTE                         |  |
| RAV4/Fun Cruiser        |  |  |
|                         | RAV4 2.0i 1994-2000                    |  |
|                         | Engine 3S-FE                           |  |
|                         | Fun Cruiser 2.0i 1994-2000             |  |
|                         | Engine 3S-FE                           |  |
| RAV4                    |  |  |
|                         | RAV4 1.8 16V VVT-i 2000-2006           |  |
|                         | Engine 1ZZ-FE                          |  |
|                         | RAV4 2.0 16V VVT-i 2000-2006           |  |
|                         | Engine 1AZ-FE                          |  |
| RAV4                    |  |  |
|                         | RAV4 2.0 16V VVT-i 2006-2009           |  |
|                         | Engine 1AZ-FE                          |  |
|                         | RAV4 2.0 16V VVT-i 2WD 2009-2013       |  |
|                         | Engine 3ZR-FAE                         |  |
|                         | RAV4 2.0 16V VVT-i 4WD 2009-2013       |  |
|                         | Engine 3ZR-FAE                         |  |
|                         | RAV4 2.3 16V 4WD 2009-2013             |  |
|                         | Engine 2AZ-FE                          |  |
|                         | RAV4 2.2 D4-D 2006-2009                |  |
|                         | Engine 2AD-FTV                         |  |
|                         | RAV4 2.2 D4-D D-CAT (110 kW) 2006-2009 |  |
|                         | Engine 2AD-FHV                         |  |
|                         | RAV4 2.2 D4-D D-CAT (130 kW) 2006-2009 |  |
|                         | Engine 2AD-FHV                         |  |
| RAV4                    |  |  |
|                         | RAV4 2.0 VVT-i 2WD 2013-               |  |
|                         | Engine 3ZR-FE                          |  |
|                         | RAV4 2.0 VVT-i 4WD 2013-               |  |
|                         | Engine 3ZR-FAE                         |  |
|                         | RAV4 2.5 VVT-i 2WD 2013-               |  |
|                         | Engine 2AR-FE                          |  |
|                         | RAV4 2.5 VVT-i 4WD 2013-               |  |
|                         | Engine 2AR-FE                          |  |
|                         | RAV4 2.2 D-4D 4WD 2013-                |  |
|                         | Engine 2AD-FTV                         |  |
| 4Runner                 |  |  |
|                         | 4Runner 2.4 1990-1996                  |  |
|                         | Engine 22R-E                           |  |
|                         | 4Runner 2.7 1996-2002                  |  |
|                         | Engine 3RZ-FE                          |  |
|                         | 4Runner 3.0 V6 1990-1996               |  |
|                         | Engine 3VZ-E                           |  |
|                         | 4Runner 3.4 V6 1996-2002               |  |
|                         | Engine 5VZ-FE                          |  |
| Land Cruiser (Prado) 70 |  |  |
|                         | Land Cruiser 70 2.4 1985-1996          |  |
|                         | Engine 22R, 22R-E                      |  |
|                         | Land Cruiser 70 4.0 1985-1992          |  |
|                         | Engine 3F                              |  |
|                         | Land Cruiser 70 4.5 1992-1996          |  |
|                         | Engine 1FZ-F                           |  |
| Land Cruiser (Prado) 80 |  |  |
|                         | Land Cruiser 80 4.5 24V 1992-1998      |  |
|                         | Engine 1FZ-F, 1FZ-FE                   |  |
| Land Cruiser (Prado) 90 |  |  |
|                         | Land Cruiser 90 2.7 16V 1996-1999      |  |

|            |                                   |                      |
|------------|-----------------------------------|----------------------|
|            |                                   | Engine 3RZ-F, 3RZ-FE |
|            | Land Cruiser 90 2.7 16V           | 2000-2002            |
|            |                                   | Engine 3RZ-FE        |
|            | Land Cruiser 90 3.4 V6 24V        | 1996-1999            |
|            |                                   | Engine 5VZ-FE        |
|            | Land Cruiser 90 3.4 V6 24V        | 2000-2002            |
|            |                                   | Engine 5VZ-FE        |
|            | Land Cruiser 90 2.8 D             | 2000-2002            |
|            |                                   | Engine 3L            |
|            | Land Cruiser 90 3.0 TD            | 2000-2002            |
|            |                                   | Engine 1KZ-TE        |
|            | Land Cruiser 90 3.0 D-4D          | 2000-2002            |
|            |                                   | Engine 1KD-FTV       |
|            | Land Cruiser (Prado) 100          |                      |
|            | Land Cruiser 100 4.5 24V          | 2000-2001            |
|            |                                   | Engine 1FZ-FE        |
|            | Land Cruiser 100 4.5 24V          | 2002-2003            |
|            |                                   | Engine 1FZ-FE        |
|            | Land Cruiser 100 4.5 24V          | 2004-2008            |
|            |                                   | Engine 1FZ-FE        |
|            | Land Cruiser 100 4.7 V8 32V       | 1998-1999            |
|            |                                   | Engine 2UZ-FE        |
|            | Land Cruiser 100 4.7 V8 32V       | 2000-2001            |
|            |                                   | Engine 2UZ-FE        |
|            | Land Cruiser 100 4.7 V8 32V       | 2002-2003            |
|            |                                   | Engine 2UZ-FE        |
|            | Land Cruiser 100 4.7 V8 32V       | 2004-2008            |
|            |                                   | Engine 2UZ-FE        |
|            | Land Cruiser 100 4.2 D            | 2000-2003            |
|            |                                   | Engine 1HZ           |
|            | Land Cruiser 100 4.2 TD, D4-D     | 1998-2003            |
|            |                                   | Engine 1HD-FTE       |
|            | Land Cruiser 100 4.2 D            | 2004-2008            |
|            |                                   | Engine 1HZ           |
|            | Land Cruiser 100 4.2 D4-D         | 2004-2008            |
|            |                                   | Engine 1HD-FTE       |
|            | Land Cruiser (Prado) 120          |                      |
|            | Land Cruiser 120 2.7 16V          | 2003-2009            |
|            |                                   | Engine 3RZ-FE        |
|            | Land Cruiser 120 4.0 V6 VVT-i     | 2003-2009            |
|            |                                   | Engine 1GR-FE        |
|            | Land Cruiser 120 3.0 D4-D         | 2003-2009            |
|            |                                   | Engine 1KD-FTV       |
|            | Land Cruiser (Prado) 150          |                      |
|            | Land Cruiser 2.7 VVT-i            | 2009-                |
|            |                                   | Engine 2TR-FE        |
|            | Land Cruiser 4.0 V6 VVT-i         | 2009-                |
|            |                                   | Engine 1GR-FE        |
|            | Land Cruiser 3.0 D-4D (120 kW)    | 2009-                |
|            |                                   | Engine 1KD-FTV       |
|            | Land Cruiser 3.0 D-4D (127 kW)    | 2009-                |
|            |                                   | Engine 1KD-FTV       |
|            | Land Cruiser (Prado) 200 / V8     |                      |
|            | Landcruiser 200 4.0 V6 GRJ200     | 2012-                |
|            |                                   | Engine 1GR-FE        |
|            | Landcruiser 200 4.6 V8 URJ200     | 2012-                |
|            |                                   | Engine 1UR-FE        |
|            | Landcruiser 200 5.7 V8 URJ202     | 2012-                |
|            |                                   | Engine 3UR-FE        |
| Toyota USA |                                   |                      |
|            | Echo                              |                      |
|            | Echo 1.5 16V VVT-i                | 2000-2005            |
|            |                                   | Engine 1NZ-FE        |
| UAZ        |                                   |                      |
|            | Hunter / 3151 Series              |                      |
|            | Hunter / 31519 / 3153 2.9 (62 kW) | 2004-                |
|            |                                   | Engine UMZ 4218      |
|            | Hunter / 315194 2.9 (77 kW)       | 2004-                |
|            |                                   | Engine UMZ 4213      |
|            | Hunter / 315195 2.7i              | 2004-                |
|            |                                   | Engine ZMZ 409.10    |
| Vauxhall   |                                   |                      |
|            | Agila A                           |                      |
|            | Agila 1.0 12V                     | 2000-2004            |
|            |                                   | Engine Z10XE         |
|            | Agila 1.2 16V                     | 2000-2004            |
|            |                                   | Engine Z12XE         |
|            | NOVA                              |                      |
|            | Nova 1.0S                         | 1983-1987            |
|            |                                   | Engine 10S           |
|            | Nova 1.0                          | 1987-1993            |
|            |                                   | Engine 10S           |



|                 |                                |           |                              |
|-----------------|--------------------------------|-----------|------------------------------|
|                 | Nova 1.2                       | 1983-1987 | Engine 12ST, 12SC            |
|                 | Nova 1.2S                      | 1987-1993 | Engine 12ST, 12NC            |
|                 | Nova 1.2i                      | 1990-1993 | Engine C12NZ                 |
|                 | Nova 1.3 (44 kW)               | 1986-1990 | Engine 13NB                  |
|                 | Nova 1.3 (44 kW) with catalyst | 1987-1993 | Engine C13N                  |
|                 | Nova 1.3 (51 kW)               | 1983-1987 | Engine 13SB                  |
|                 | Nova 1.4i                      | 1989-1993 | Engine C14NZ                 |
|                 | Nova 1.4i                      | 1991-1993 | Engine C14SE                 |
|                 | Nova 1.6i                      | 1988-1993 | Engine C16NZ                 |
|                 | Nova 1.6 GSi                   | 1988-1993 | Engine E16SE                 |
|                 | Nova 1.6 GSi                   | 1990-1993 | Engine C16SEI                |
|                 | Nova 1.5 D                     | 1988-1993 | Engine 4EC1                  |
|                 | Nova 1.5 TD                    | 1988-1993 | Engine T4 EC1                |
| Corsa B         |                                |           |                              |
|                 | Corsa B 1.0i                   | 1997-2000 | Engine X10XE                 |
|                 | Corsa B 1.2i                   | 1993-1998 | Engine X12SZ<br>Engine C12NZ |
|                 | Corsa B 1.2i 16V               | 1998-2000 | Engine X12XE                 |
|                 | Corsa B 1.4i                   | 1996-1998 | Engine C14NZ                 |
|                 | Corsa B 1.4i                   | 1996-1998 | Engine X14SZ                 |
|                 | Corsa B 1.4i                   | 1993-1996 | Engine C14SE                 |
|                 | Corsa B 1.4i-16V               | 1994-2000 | Engine X14XE                 |
|                 | Corsa B 1.6i-16V               | 1994-2000 | Engine X16XE                 |
|                 | Corsa B 1.6 GSi-16V            | 1993-1994 | Engine C16XE                 |
|                 | Corsa B 1.5 D                  | 1993-2000 | Engine 4EC1                  |
|                 | Corsa B 1.5 TD                 | 1993-2000 | Engine T4 EC1                |
|                 | Corsa B 1.7 D                  | 1993-2000 | Engine X17D                  |
| Corsa C         |                                |           |                              |
|                 | Corsa C 1.0 12V                | 2000-2004 | Engine Z10XE                 |
|                 | Corsa C 1.2 16V                | 2000-2004 | Engine Z12XE                 |
|                 | Corsa C 1.4 16V                | 2000-2004 | Engine Z14XE                 |
|                 | Corsa C 1.8 16V GSI            | 2000-2004 | Engine Z18XE                 |
|                 | Corsa C 1.7 DI 16V             | 2000-2004 | Engine Y17DTL                |
|                 | Corsa C 1.7 DTI 16V            | 2000-2004 | Engine Y17DT                 |
| Astra           |                                |           |                              |
|                 | Astra 1.2                      | 1982-1984 | Engine 12S, 12ST             |
|                 | Astra 1.3                      | 1982-1984 | Engine 13S, 13SC             |
|                 | Astra 1.6                      | 1982-1984 | Engine 16SH                  |
|                 | Astra 1.8 GTE                  | 1983-1984 | Engine 18E                   |
|                 | Astra 1.6 D                    | 1982-1984 | Engine                       |
| Astra / Belmont |                                |           |                              |
|                 | Astra 1.2S                     | 1984-1987 | Engine 12ST, 12SC            |
|                 | Astra / Belmont 1.3            | 1984-1991 | Engine 13N, 13NB             |
|                 | Astra / Belmont 1.3i           | 1985-1991 |                              |

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|                 |   |
|-----------------|---|
|                 | Engine C13N                                   |
| Astra / Belmont | 1.3S 1987-1993<br>Engine 13S, 13SC            |
| Astra / Belmont | 1.4i (44 kW) 1989-1991<br>Engine C14NZ        |
| Astra / Belmont | 1.4S (55 kW) 1990-1993<br>Engine 14NV         |
| Astra / Belmont | 1.4S (60 kW) 1989-1991<br>Engine 14SE         |
| Astra / Belmont | 1.6i (55 kW) 1986-1991<br>Engine C16LZ, C16NZ |
| Astra / Belmont | 1.6i (55 kW) 1986-1993<br>Engine E16NZ        |
| Astra / Belmont | 1.6S (60 kW) 1987-1991<br>Engine 16SV         |
| Astra / Belmont | 1.6S (66 kW) 1984-1987<br>Engine 16SH         |
| Astra / Belmont | 1.8S (62 kW) 1987-1991<br>Engine E18NV, S18NV |
| Astra / Belmont | 1.8i (66 kW) 1990-1991<br>Engine C18NZ        |
| Astra / Belmont | 1.8i (74 kW) 1985-1991<br>Engine C18NE        |
| Astra / Belmont | 1.8i (82 kW) 1986-1991<br>Engine 18SE         |
| Astra           | 1.8i GSi 1985-1986<br>Engine 18E              |
| Astra           | 2.0i GSi 1986-1993<br>Engine 20NE, 20SEH      |
| Astra           | 2.0i (95 kW) 1986-1991<br>Engine 20SEH        |
| Astra           | 2.0i GSi 16V 1987-1992<br>Engine C20XE, 20XEJ |
| Astra / Belmont | 1.5 TD 1988-1991<br>Engine 15DTR (TC 4EC1)    |
| Astra / Belmont | 1.6 D 1984-1989<br>Engine 16 D, 16 DA         |
| Astra / Belmont | 1.6 D 1987-1991<br>Engine 16DA                |
| Astra / Belmont | 1.7 D 1988-1991<br>Engine 17D (4EE1)          |
| Astra / Belmont | 1.7 TD 1986-1991<br>Engine 17DT (TC4EE1)      |
| Astra F         |   |
| Astra F         | 1.4i 1991-1998<br>Engine C14NZ, X14NZ         |
| Astra F         | 1.4S 1991-1994<br>Engine 14NV                 |
| Astra F         | 1.4i 1994-1998<br>Engine 14SE                 |
| Astra F         | 1.4Si 1991-1998<br>Engine C14SE               |
| Astra F         | 1.4-16V 1996-1998<br>Engine X14XE             |
| Astra F         | 1.6i 1993-1998<br>Engine X16SZ, X16XZR        |
| Astra F         | 1.6i 1991-1995<br>Engine C16NZ                |
| Astra F         | 1.6i 1992-1998<br>Engine C16SE                |
| Astra F         | 1.6-16V 1995-1998<br>Engine X16XEL            |
| Astra F         | 1.8i 1991-1994<br>Engine C18NZ                |
| Astra F         | 1.8-16V 1993-1995<br>Engine C18XE             |
| Astra F         | 1.8-16V 1995-1998<br>Engine C18XEL, X18XE     |
| Astra F         | 2.0i 1991-1998<br>Engine C20NE                |
| Astra F         | GSI 16V 1991-1995<br>Engine C20XE             |
| Astra F         | GSI 16V 1995-1998<br>Engine X20XEV            |
| Astra F         | 1.7 D 1991-1994<br>Engine 17DR                |
| Astra F         | 1.7 TD 1991-1998<br>Engine X17DT              |
| Astra F         | 1.7 DTL 1995-1998<br>Engine X17DTL            |
| Astra G         |   |
| Astra G         | 1.2-16V 1998-2001                             |

|                             |                    |
|-----------------------------|--------------------|
|                             | Engine X12XE       |
| Astra G 1.2-16V             | 2001-2004          |
|                             | Engine Z12XE       |
| Astra G 1.4-16V             | 1998-2001          |
|                             | Engine X14XE       |
| Astra G 1.4-16V             | 2001-2001          |
|                             | Engine Z14XE       |
| Astra G 1.6                 | 1998-2001          |
|                             | Engine X16SZR      |
| Astra G 1.6                 | 2001-2004          |
|                             | Engine Z16S        |
| Astra G 1.6-16V             | 1998-2001          |
|                             | Engine X16XEL      |
| Astra G 1.6-16V             | 2001-2004          |
|                             | Engine X16XE       |
| Astra G 1.8-16V             | 1998-2001          |
|                             | Engine X18XE1      |
| Astra G 1.8-16V             | 2001-2004          |
|                             | Engine Z18XE       |
| Astra G 2.0-16V             | 1998-2000          |
|                             | Engine X20XEV      |
| Astra G 2.0-16V Turbo       | 2001-2004          |
|                             | Engine Z20LET      |
| Astra G 2.2-16V             | 2001-2004          |
|                             | Engine Z22SE/XE    |
| Astra G 1.7 TD              | 1998-2000          |
|                             | Engine X17DTL      |
| Astra G 1.7 DTi-16V         | 1999-2004          |
|                             | Engine Y17DT       |
| Astra G 2.0 Di-16V          | 1998-2004          |
|                             | Engine X20DTL      |
| Astra G 2.0 DTi-16V         | 1999-2004          |
|                             | Engine Y20DTH      |
| <b>Cavalier II</b>          |                    |
| Cavalier 1.3                | 1981-1985          |
|                             | Engine             |
| Cavalier 1.3                | 1985-1987          |
|                             | Engine             |
| Cavalier 1.6                | 1981-1988          |
|                             | Engine             |
| Cavalier 1.6                | 1981-1985          |
|                             | Engine             |
| Cavalier 1.6                | 1985-1987          |
|                             | Engine             |
| Cavalier 1.8E               | 1983-1985          |
|                             | Engine             |
| Cavalier 1.8E               | 1985-1987          |
|                             | Engine             |
| Cavalier 1.8S               | 1985-1987          |
|                             | Engine             |
| Cavalier 2.0i               | 1986-1988          |
|                             | Engine             |
| Cavalier 1.6 D              | 1984-1985          |
|                             | Engine             |
| Cavalier 1.6 D              | 1985-1987          |
|                             | Engine             |
| Cavalier 1.6 D              | 1987-1988          |
|                             | Engine             |
| <b>Cavalier III</b>         |                    |
| Cavalier 1.6i               | 1988-1995          |
|                             | Engine             |
| Cavalier 1.6S               | 1988-1995          |
|                             | Engine             |
| Cavalier 1.8S               | 1988-1995          |
|                             | Engine             |
| Cavalier 1.8i               | 1989-1995          |
|                             | Engine             |
| Cavalier 1.8S 4WD           | 1988-1995          |
|                             | Engine             |
| Cavalier 2.0S               | 1988-1995          |
|                             | Engine             |
| Cavalier 2.0i               | 1988-1995          |
|                             | Engine 20NE, 20SEH |
| Cavalier 2.0i 4WD           | 1988-1995          |
|                             | Engine             |
| Cavalier 2.0i-16V           | 1988-1995          |
|                             | Engine             |
| Cavalier 2.0i-16V 4WD       | 1988-1995          |
|                             | Engine             |
| Cavalier 2.0i-16V Turbo 4WD | 1992-1995          |
|                             | Engine             |
| Cavalier 2.5 V6             | 1993-1995          |

|                                      |                 |
|--------------------------------------|-----------------|
|                                      | Engine          |
| Cavalier 1.7 D                       | 1988-1990       |
|                                      | Engine          |
| Cavalier 1.7 D                       | 1990-1995       |
|                                      | Engine          |
| Cavalier 1.7 TD                      | 1989-1995       |
|                                      | Engine          |
| <b>Vectra B</b>                      |                 |
| Vectra B 1.6i                        | 1995-2000       |
|                                      | Engine X16SZR   |
| Vectra B 1.6i-16V                    | 1995-2000       |
|                                      | Engine X16XEL   |
| Vectra B 1.6i-16V                    | 2001-2002       |
|                                      | Engine Z16XEL   |
| Vectra B 1.8i-16V                    | 1995-1998       |
|                                      | Engine X18XE    |
| Vectra B 1.8i-16V                    | 1999-2000       |
|                                      | Engine X18XE1   |
| Vectra B 1.8i-16V                    | 2001-2002       |
|                                      | Engine Z18XE1   |
| Vectra B 2.0i-16V                    | 1995-2001       |
|                                      | Engine X20XEV   |
| Vectra B 2.2 16V                     | 2001-2002       |
|                                      | Engine Z22SE/XE |
| Vectra B 2.5i V6-24V                 | 1995-2001       |
|                                      | Engine X25XE    |
| Vectra B 1.7 TD                      | 1995-1997       |
|                                      | Engine X17DT    |
| Vectra B 2.0 Di 16V                  | 1996-2000       |
|                                      | Engine X20DTL   |
| Vectra B 2.0 DTi 16V                 | 1997-2000       |
|                                      | Engine X20DTH   |
| Vectra B 2.0 DTi 16V                 | 2000-2002       |
|                                      | Engine Y20DTH   |
| Vectra B 2.2 DTi 16V                 | 2000-2002       |
|                                      | Engine Y22DTR   |
| <b>Carlton</b>                       |                 |
| Carlton 1.8N                         | 1986-1993       |
|                                      | Engine          |
| Carlton 1.8S                         | 1987-1990       |
|                                      | Engine E18NVR   |
| Carlton 1.8S                         | 1986-1988       |
|                                      | Engine 18SV     |
| Carlton 1.8i                         | 1986-1993       |
|                                      | Engine          |
| Carlton 2.0i (85 kW)                 | 1986-1993       |
|                                      | Engine 20S      |
| Carlton 2.0i (90 kW)                 | 1986-1988       |
|                                      | Engine 20SE     |
| Carlton 2.4i                         | 1988-1993       |
|                                      | Engine C24NE    |
| Carlton 2.6i                         | 1990-1993       |
|                                      | Engine          |
| Carlton 3.0i (115 kW)                | 1986-1988       |
|                                      | Engine C30LE    |
| Carlton 3.0i (130 kW)                | 1986-1993       |
|                                      | Engine          |
| Carlton 3.0i 24V (147 kW)            | 1990-1993       |
|                                      | Engine C30SEJ   |
| Carlton 3.0i 24V (150 kW)            | 1989-1993       |
|                                      | Engine C30SE    |
| Carlton 2.3 Diesel                   | 1986-1988       |
|                                      | Engine          |
| Carlton 2.3 Diesel                   | 1988-1993       |
|                                      | Engine          |
| Carlton 2.3 Turbo Diesel             | 1986-1988       |
|                                      | Engine          |
| Carlton 2.3 Turbo Diesel             | 1988-1993       |
|                                      | Engine          |
| Carlton 2.3 Turbo Diesel Intercooler | 1988-1993       |
|                                      | Engine          |
| <b>Omega B</b>                       |                 |
| Omega 2.0i                           | 1994-1999       |
|                                      | Engine          |
| Omega 2.0i-16V                       | 1994-2000       |
|                                      | Engine          |
| Omega 2.0i-16V                       | 2001-2003       |
|                                      | Engine X20XEV   |
| Omega 2.2i-16V                       | 1999-2000       |
|                                      | Engine Y22XE    |
| Omega 2.2i-16V                       | 2000-2001       |
|                                      | Engine Y22XE    |

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|           |   |
|-----------|---|
|           | Omega 2.2i-16V 2001-2003<br>Engine Z22XE  |
|           | Omega 2.5i-24V 1994-2000<br>Engine  |
|           | Omega 2.5i V6-24V 2000-2001<br>Engine X25XE   |
|           | Omega 2.6i V6-24V 2001-2003<br>Engine Y26SE   |
|           | Omega 3.0i-24V 1994-1998<br>Engine  |
|           | Omega 3.0i V6-24V 1998-2000<br>Engine X30XE   |
|           | Omega 3.0i V6-24V 2000-2003<br>Engine X30XE   |
|           | Omega 3.2i V6-24V 2001-2003<br>Engine Y32SE   |
|           | Omega 2.0 DTi 16V 1997-1999<br>Engine X20DTH  |
|           | Omega 2.0 DTi 16V 1999-2000<br>Engine X20DTH  |
|           | Omega 2.0 DTi 16V 2000-2003<br>Engine X20DTH  |
|           | Omega 2.2 DTi 16V 2001-2003<br>Engine Y22DTR  |
|           | Omega 2.5 TD 1994-1999<br>Engine  |
|           | Omega 2.5 TD 1999-2001<br>Engine 25DT-X25DT   |
|           | Omega 2.5 TD 24V 2001-2003<br>Engine Y25DT  |
| Senator B | Senator 2.5i 1987-1993<br>Engine 25NE   |
|           | Senator 2.6i 1990-1993<br>Engine C26NE  |
|           | Senator 3.0i 1987-1993<br>Engine 30NE   |
|           | Senator 3.0i 24V 1989-1993<br>Engine C30SE  |
| Zafira A  | Zafira 1.6-16V 1999-2000<br>Engine X16XEL   |
|           | Zafira 1.6-16V 2001-2005<br>Engine Z16XE  |
|           | Zafira 1.8-16V 1999-2000<br>Engine X18XE1   |
|           | Zafira 1.8-16V 2001-2005<br>Engine Z18XE1   |
|           | Zafira VXR 2002-2005<br>Engine Z20LET   |
|           | Zafira 2.2-16V 2001-2005<br>Engine Z22XE  |
|           | Zafira 2.0 Di-16V 1999-2000<br>Engine X20DTL  |
|           | Zafira 2.0 DTi-16V 2000-2005<br>Engine Y20DTH   |
|           | Zafira 2.2 DTi-16V 2002-2005<br>Engine Y22DTR   |
| Frontera  | Frontera 2.0i 1992-1998<br>Engine X20SE<br>Transmission, manual/transferbox                 |
|           | Frontera 2.2i 1995-1998<br>Engine X22XE<br>Transmission, manual<br>Transferbox              |
|           | Frontera 2.4i 1992-1995<br>Engine C24NE<br>Transmission, manual<br>Transferbox              |
|           | Frontera 2.3 D Turbo intercooler 1992-1995<br>Engine<br>Transmission, manual<br>Transferbox |
|           | Frontera 2.5 TD 1996-1998<br>Engine VM41B<br>Transmission, manual<br>Transferbox            |
|           | Frontera 2.8 TD 1995-1996<br>Engine 4JB1T<br>Transmission, manual<br>Transferbox            |

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|                 |                                      |
|-----------------|--------------------------------------|
|                 | Frontera B 2.2-16V 1998-2001         |
|                 | Engine X22SE                         |
|                 | Transmission, manual                 |
|                 | Transferbox                          |
|                 | Frontera B 2.2-16V 2001-2004         |
|                 | Engine Y22SE                         |
|                 | Transmission, manual                 |
|                 | Transferbox                          |
|                 | Frontera B 3.2-24V 1998-2000         |
|                 | Engine 6VD1-W                        |
|                 | Transmission, manual                 |
|                 | Transferbox                          |
|                 | Frontera B 3.2-24V 2000-2004         |
|                 | Engine 6VD1                          |
|                 | Transmission, manual                 |
|                 | Transferbox                          |
|                 | Frontera B 2.2 DTi 1998-2004         |
|                 | Engine X22DTH                        |
|                 | Transmission, manual                 |
|                 | Transferbox                          |
| Monterey        |                                      |
|                 | Monterey 3.2 V6 1992-1998            |
|                 | Engine 6VD1                          |
|                 | Transmission, manual MUA5CT          |
|                 | Transferbox                          |
|                 | Monterey 3.5 V6 1998-2000            |
|                 | Engine 6VE1                          |
|                 | Transmission, manual MUA5CT          |
|                 | Transferbox                          |
|                 | Monterey 3.0 TD 1998-2000            |
|                 | Transmission, manual MUA5CT          |
|                 | Engine 4JX1                          |
|                 | Transferbox                          |
|                 | Monterey 3.1 TD 1992-1998            |
|                 | Engine 4JG2                          |
|                 | Transmission, manual MUA5CT          |
|                 | Transferbox                          |
| Sintra          |                                      |
|                 | Sintra 2.2 1996-1999                 |
|                 | Engine X22XE                         |
|                 | Sintra 3.0 1996-1999                 |
|                 | Engine X30XE                         |
|                 | Sintra 2.2 DTi 16V 1997-1999         |
|                 | Engine X22DTH                        |
| Tour            |                                      |
|                 | Tour 1.6 2002-2004                   |
|                 | Engine Z16SE                         |
|                 | Tour 1.7 DI 16V 2002-2004            |
|                 | Engine Y17DTL                        |
|                 | Tour 1.7 DTi 16V 2002-2004           |
|                 | Engine Y17DT                         |
| Tigra           |                                      |
|                 | Tigra 1.4i-16V 1994-2000             |
|                 | Engine X14XE                         |
|                 | Tigra 1.6i-16V 1994-2000             |
|                 | Engine X16XE                         |
| Calibra         |                                      |
|                 | Calibra 2.0i 1990-1998               |
|                 | Engine C20NE                         |
|                 | Calibra 2.0i 16V 1990-1994           |
|                 | Engine C20XE                         |
|                 | Calibra 2.0i 16V 1994-1998           |
|                 | Engine X20XEV                        |
|                 | Calibra 2.0i 4x4 1990-1994           |
|                 | Engine C20NE                         |
|                 | Calibra 2.0i 16V 4x4 1990-1994       |
|                 | Engine C20XE                         |
|                 | Calibra 2.0i 16V 4x4 1994-1998       |
|                 | Engine X20XEV                        |
|                 | Calibra 2.0i 16V Turbo 4x4 1994-1998 |
|                 | Engine C20LET                        |
|                 | Calibra 2.5i V6 1993-1998            |
|                 | Engine C25XE                         |
| VX220 / VXR220  |                                      |
|                 | VX220 2001-2005                      |
|                 | Engine Z22SE/XE                      |
|                 | VXR220 2003-2005                     |
|                 | Engine Z20LER                        |
| Volkswagen (VW) |                                      |
| Lupo            |                                      |
|                 | Lupo 1.0 AHT 1998-2000               |
|                 | Engine AHT                           |

|              |                          |           |                                |
|--------------|--------------------------|-----------|--------------------------------|
|              | Lupo 1.0                 | 1998-2005 | Engine AER, ALD, ALL, ANV, AUC |
|              | Lupo 1.4                 | 2001-2005 | Engine                         |
|              | Lupo 1.4 16V (55 kW)     | 1998-2005 | Engine AHW, AKQ                |
|              | Lupo 1.4 16V (74 kW)     | 1999-2005 | Engine AFK, AQQ                |
|              | Lupo 1.4 16V FSI         | 2003-2004 | Engine ARR                     |
|              | Lupo 1.6 16V GTI         | 2002-2005 | Engine AVY                     |
|              | Lupo 1.7 SDI             | 1998-2005 | Engine AKU                     |
| Fox          | Fox 1.0                  | 2005-2007 | Engine AQZ                     |
|              | Fox 1.0                  | 2007-2011 | Engine AQZ                     |
|              | Fox 1.2                  | 2005-2007 | Engine BMD                     |
|              | Fox 1.2                  | 2007-2009 | Engine BMD                     |
|              | Fox 1.2                  | 2009-2011 | Engine CHFB                    |
|              | Fox 1.4                  | 2005-2007 | Engine BKR                     |
|              | Fox 1.4                  | 2007-2011 | Engine BKR                     |
|              | Fox 1.6                  | 2005-2007 | Engine BLH                     |
|              | Fox 1.6                  | 2007-2011 | Engine BLH                     |
| Polo / Derby | Polo 1.0                 | 1995-2001 | Engine AER, ALL, ALD, AUC      |
|              | Polo 1.05                | 1981-1986 | Engine GL                      |
|              | Polo 1.05                | 1985-1987 | Engine HZ                      |
|              | Polo 1.05 Coupé          | 1985-1987 | Engine HZ                      |
|              | Polo 1.05                | 1987-1990 | Engine HZ                      |
|              | Polo 1.05 Coupé          | 1987-1990 | Engine HZ                      |
|              | Polo 1.05                | 1990-1994 | Engine AAK, AAU                |
|              | Polo 1.05                | 1994-1996 | Engine AEV                     |
|              | Polo 1.1                 | 1982-1986 | Engine HB                      |
|              | Polo Classic / Derby 1.1 | 1982-1986 | Engine HB                      |
|              | Polo 1.3 Coupé GT G40    | 1987-1990 | Engine PY                      |
|              | Polo 1.3                 | 1982-1989 | Engine GK                      |
|              | Polo 1.3                 | 1985-1988 | Engine MH                      |
|              | Polo 1.3                 | 1987-1990 | Engine NZ                      |
|              | Polo 1.3                 | 1989-1994 | Engine 2G                      |
|              | Polo 1.3                 | 1994-1995 | Engine ADX                     |
|              | Polo Classic / Derby 1.3 | 1983-1985 | Engine HK                      |
|              | Polo 1.3 Coupé           | 1985-1988 | Engine MH                      |
|              | Polo 1.3 Coupé           | 1987-1990 | Engine NZ                      |
|              | Polo 1.3 Coupé GT        | 1982-1986 | Engine GK                      |
|              | Polo 1.3 Coupé GT        | 1986-1987 | Engine GK                      |
|              | Polo 1.3 Coupé GT        | 1987-1989 | Engine GK                      |
|              | Polo 1.3 Coupé GT G40    | 1986-1987 | Engine PY                      |
|              | Polo 1.3 G40             | 1989-1992 | Engine PY                      |

# Lubricant Report

|                  |                               |               |                           |
|------------------|-------------------------------|---------------|---------------------------|
|                  | Polo 1.4                      | 1995-2001     | Engine AEX, AUD           |
|                  | Polo 1.4                      | 1997-2001     | Engine AKV, ANX, APQ, AKK |
|                  | Polo 1.4 16V (55 kW)          | 1999-2001     | Engine AHW, AUA, APE      |
|                  | Polo 1.4 16V (74 kW)          | 1996-2001     | Engine AFH, AFK, AUB      |
|                  | Polo 1.6                      | 1994-1999     | Engine AEA, AEE           |
|                  | Polo 1.6 Classic, Variant     | 1995-1999     | Engine 1F                 |
|                  | Polo 1.6 16V                  | 1998-1999     | Engine AJV                |
|                  | Polo GTI 1.6 16V              | 1999-2001     | Engine ARC, AVY           |
|                  | Polo 1.3 D                    | 1986-1990     | Engine MN                 |
|                  | Polo 1.4 D                    | 1990-1994     | Engine 1W                 |
|                  | Polo 1.7 SDI                  | 1997-2001     | Engine AKU, AHG           |
|                  | Polo 1.9 D                    | 1995-2001     | Engine AEF                |
|                  | Polo 1.9 SDI                  | 1996-2001     | Engine AGD, ASX           |
|                  | Polo 1.9 TDI                  | 1997-2001     | Engine AGR, ALH           |
| Polo IV          |                               |               |                           |
|                  | Polo 1.2                      | 2002-2005     | Engine AWY                |
|                  | Polo 1.2                      | 2005-2007     | Engine BMD                |
|                  | Polo 1.2 12V                  | 2002-2005     | Engine AZQ                |
|                  | Polo 1.2 12V                  | 2005-2007     | Engine BME                |
|                  | Polo 1.4 16V (55 kW)          | 2002-2005     | Engine AUA                |
|                  | Polo 1.4 16V (55 kW)          | 2005-2009     | Engine BBY, BCC, BKY      |
|                  | Polo 1.4 16V (74 kW)          | 2002-2005     | Engine BBZ                |
|                  | Polo 1.4 16V (74 kW)          | 2005-2006     | Engine BBZ                |
|                  | Polo 1.4 16V FSI              | 2003-2005     | Engine AXU                |
|                  | Polo 1.4 16V FSI              | 2005-2006     | Engine AXU                |
|                  | Polo GTI 1.8 20V Turbo        | 2005-2009     | Engine BJX                |
| Beetle           |                               |               |                           |
|                  | Beetle 1.6i                   | 1B1 1996-2003 | Engine ACD                |
| New Beetle       |                               |               |                           |
|                  | New Beetle 1.4 16V            | 2003-2010     | Engine AHW, AKQ           |
|                  | New Beetle 1.6                | 2000-2010     | Engine AEH, AKL, APF      |
|                  | New Beetle 1.8 20V Turbo      | 2000-2011     | Engine AWU                |
|                  | New Beetle 2.0                | 1997-2000     | Engine AQY                |
|                  | New Beetle 2.0                | 2000-2005     | Engine AQY                |
|                  | New Beetle 1.9 TDI (66 kW)    | 1997-2000     | Engine ALH                |
|                  | New Beetle 1.9 TDI (66 kW)    | 2000-2005     | Engine ALH                |
| Golf I Cabriolet |                               |               |                           |
|                  | Golf I Cabriolet 1.6          | 1987-1992     | Engine                    |
|                  | Golf I Cabriolet 1.8          | 1987-1992     | Engine EX                 |
|                  | Golf I Cabriolet 1.8i (70 kW) | 1987-1990     | Engine JH                 |
|                  | Golf I Cabriolet 1.8i (72 kW) | 1990-1993     | Engine 2H                 |
|                  | Golf I Cabriolet 1.8i (82 kW) | 1987-1992     | Engine DX                 |
| Golf II          |                               |               |                           |
|                  | Golf II 1.05                  | 1983-1985     |                           |



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|-----------------------------|---------------------------|
|                             | Engine GN                 |
| Golf II 1.3                 | 1983-1986                 |
|                             | Engine GT                 |
| Golf II 1.3                 | 1985-1988                 |
|                             | Engine MH                 |
| Golf II 1.3                 | 1987-1992                 |
|                             | Engine NZ                 |
| Golf II 1.6                 | 1984-1986                 |
|                             | Engine EW, EZ             |
| Golf II 1.6                 | 1986-1987                 |
|                             | Engine EW, EZ             |
| Golf II 1.6                 | 1987-1991                 |
|                             | Engine EW, EZ             |
| Golf II 1.8                 | 1984-1986                 |
|                             | Engine GU                 |
| Golf II 1.8                 | 1986-1987                 |
|                             | Engine GU, EX             |
| Golf II 1.8                 | 1987-1991                 |
|                             | Engine RP                 |
| Golf II 1.8 GTI             | 1984-1987                 |
|                             | Engine EV                 |
| Golf II 1.8 GTI             | 1986-1987                 |
|                             | Engine EV                 |
| Golf II 1.8 GTI             | 1987-1991                 |
|                             | Engine PB                 |
| Golf II 1.8 GTI 16V         | 1985-1987                 |
|                             | Engine KR                 |
| Golf II 1.8 GTI 16V         | 1987-1991                 |
|                             | Engine KR                 |
| Golf II 1.8 Syncro          | 1985-1987                 |
|                             | Engine GX                 |
| Golf II 1.8 Syncro          | 1987-1991                 |
|                             | Engine GX                 |
| Golf II 1.8 GT Syncro       | 1987-1991                 |
|                             | Engine GU                 |
| Golf II 1.8 GT              | 1987-1991                 |
|                             | Engine RP                 |
| Golf II 1.6 Diesel          | 1983-1986                 |
|                             | Engine JP                 |
| Golf II 1.6 Diesel          | 1986-1987                 |
|                             | Engine JP                 |
| Golf II 1.6 Diesel          | 1987-1991                 |
|                             | Engine JP                 |
| Golf II 1.6 Turbo Diesel    | 1983-1986                 |
|                             | Engine JR                 |
| Golf II 1.6 Turbo Diesel    | 1986-1987                 |
|                             | Engine JR                 |
| Golf II 1.6 Turbo Diesel    | 1987-1991                 |
|                             | Engine JR                 |
| Golf III                    |                           |
| Golf III 1.4                | 1991-1992                 |
|                             | Engine ABD                |
| Golf III 1.4                | 1992-1995                 |
|                             | Engine ABD                |
| Golf III 1.4                | 1995-1999                 |
|                             | Engine AEX                |
| Golf III 1.6 (55 kW)        | 1992-1994                 |
|                             | Engine ABU                |
| Golf III 1.6 (55 kW)        | 1994-1998                 |
|                             | Engine AEA, AEE           |
| Golf III 1.6 (74 kW)        | 1994-1998                 |
|                             | Engine AEK, AFT           |
| Golf III 1.8 (55 kW)        | 1991-1992                 |
|                             | Engine AAM                |
| Golf III 1.8 (55 kW)        | 1992-1998                 |
|                             | Engine AAM                |
| Golf III 1.8 (66 kW)        | 1991-1992                 |
|                             | Engine ABS, ACC, ADD, ADZ |
| Golf III 1.8 (66 kW)        | 1992-1998                 |
|                             | Engine ABS, ACC, ADD, ADZ |
| Golf III 1.8 (66 kW) Syncro | 1992-1998                 |
|                             | Engine ABS, ADZ           |
| Golf III 2.0 (GTI)          | 1992-1998                 |
|                             | Engine 2E, ADY, AGG       |
| Golf III 2.0 16V            | 1992-1998                 |
|                             | Engine ABF                |
| Golf III 2.0 GTI            | 1991-1992                 |
|                             | Engine 2E                 |
| Golf III 2.8 VR6            | 1991-1992                 |
|                             | Engine AAA                |
| Golf III 2.8 VR6            | 1992-1998                 |
|                             | Engine AAA                |

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|                | Golf III 2.9 VR6 Syncro 1994-1998<br>Engine ABV  |
|                | Golf III 1.9 Diesel 1991-1992<br>Engine 1Y   |
|                | Golf III 1.9 Diesel 1992-1999<br>Engine 1Y   |
|                | Golf III 1.9 SDI 1995-1999<br>Engine AEY   |
|                | Golf III 1.9 Turbo Diesel 1991-1992<br>Engine AAZ  |
|                | Golf III 1.9 Turbo Diesel 1992-1999<br>Engine AAZ  |
|                | Golf III 1.9 TDI (66 kW), Syncro 1993-1999<br>Engine 1Z  |
|                | Golf III 1.9 TDI (81 kW) 1996-1999<br>Engine AFN   |
| Golf IV        | Golf IV 1.4 16V 1997-2000<br>Engine AHW, AKQ   |
|                | Golf IV 1.4 16V 2000-2004<br>Engine AHW, AKQ   |
|                | Golf IV 1.6 1997-2000<br>Engine AEH, AKL   |
|                | Golf IV 1.6 2000-2004<br>Engine AEH, AKL, APF  |
|                | Golf IV 1.6 16V 2000-2004<br>Engine ATN, AUS, AZD  |
|                | Golf IV 1.6 16V FSI 2002-2004<br>Engine BAD  |
|                | Golf IV 1.8 20V 1997-2000<br>Engine AGN  |
|                | Golf IV 1.8 20V 2000-2001<br>Engine AGN  |
|                | Golf IV 1.8 20V Turbo (110 kW) 1997-2000<br>Engine AGU   |
|                | Golf IV 1.8 20V Turbo (110 kW) 2000-2004<br>Engine AGU, ARZ, AQA, ALZ                          |
|                | Golf IV 1.8 20V Turbo (132 kW) 2002-2004<br>Engine   |
|                | Golf IV 2.0 1998-2000<br>Engine APK, AQY   |
|                | Golf IV 2.0 2000-2004<br>Engine APK, AQY   |
|                | Golf IV R32 2003-2004<br>Engine BJS, BML   |
|                | Golf IV 1.9 SDI 1997-2000<br>Engine  |
|                | Golf IV 1.9 TDI (66 kW) 1997-2000<br>Engine AGR, ALH   |
|                | Golf IV 1.9 TDI (66 kW) 2000-2004<br>Engine AGR, ALH   |
|                | Golf IV 1.9 TDI (66 kW) 4Motion 1999-2000<br>Engine AGR  |
|                | Golf IV 1.9 TDI (66 kW) 4Motion 2000-2004<br>Engine AGR  |
|                | Golf IV 1.9 TDI (81 kW) 1997-2000<br>Engine AHF  |
| Golf V         | Golf V 1.4 16V (55 kW) 2003-2006<br>Engine BCA   |
|                | Golf V 1.4 16V (59 kW) 2006-2008<br>Engine BUD   |
|                | Golf V 1.4 16V FSI 2003-2006<br>Engine BKG, BLN  |
|                | Golf V 1.6 16V FSI 2003-2008<br>Engine BAG, BLF, BLP   |
|                | Golf V 2.0 16V FSI (85 kW) ZA 2005-2008<br>Engine BHY  |
|                | Golf V 2.0 16V FSI (110 kW) 2003-2008<br>Engine AXW, BLR, BLX, BLY, BMB, BVX, BVY, BVZ         |
|                | Golf V 2.0 16V FSI (110 kW) 4Motion 2004-2008<br>Engine AXW, BLR, BLX, BLY, BMB, BVX, BVY, BVZ |
|                | Golf V 2.0 TFSI GTI (147 kW) 2004-2009<br>Engine AXX, BWA, CAWB                                |
| Golf V Variant | Golf V Variant 1.4 16V (59 kW) 2007-2009<br>Engine BUD   |
|                | Golf V Variant 2.0 TSI (147 kW) 2007-2008<br>Engine BWA, CCZA, CAWB                            |
| Golf Plus      | Golf Plus 1.4 16V (55 kW) 2005-2006<br>Engine BCA  |

|       |                        |                       |                           |
|-------|------------------------|-----------------------|---------------------------|
|       | Golf Plus 1.4 FSI      | 2005-2006             | Engine BLN                |
|       | Golf Plus 1.6          | 2005-2008             | Engine BSE, BSF           |
|       | Golf Plus 1.6 FSI      | 2005-2008             | Engine BLF, BLP           |
|       | Golf Plus 2.0 FSI      | 2005-2008             | Engine BLR, BLY, BVY, BVZ |
| Jetta | Jetta 1.3              | 1985-1987             | Engine MH                 |
|       | Jetta 1.3              | 1987-1992             | Engine NZ                 |
|       | Jetta 1.6              | 1986-1987             | Engine EW, EZ             |
|       | Jetta 1.6              | 1987-1991             | Engine EW, EZ             |
|       | Jetta 1.8              | 1986-1987             | Engine GU, GX             |
|       | Jetta 1.8              | 1987-1991             | Engine GU, GX             |
|       | Jetta 1.8i             | 1986-1987             | Engine EV                 |
|       | Jetta 1.8 Syncro       | 1987-1991             | Engine GU                 |
|       | Jetta 1.8 GT Syncro    | 1987-1991             | Engine PB                 |
|       | Jetta 1.8 GT           | 1987-1992             | Engine RP                 |
|       | Jetta 1.8 GT 16V       | 1987-1991             | Engine KR                 |
|       | Jetta 1.6 Turbo Diesel | Intercooler 1989-1991 | Engine SB                 |
|       | Jetta 1.6 Diesel       | 1986-1987             | Engine JP                 |
|       | Jetta 1.6 Diesel       | 1987-1990             | Engine JP                 |
|       | Jetta 1.6 Diesel       | 1990-1991             | Engine JP                 |
|       | Jetta 1.6 Turbo Diesel | 1986-1987             | Engine JR                 |
|       | Jetta 1.6 Turbo Diesel | 1987-1990             | Engine JR                 |
|       | Jetta 1.6 Turbo Diesel | 1990-1991             | Engine JR                 |
| Vento | Vento 1.4              | 1991-1992             | Engine ABD                |
|       | Vento 1.4              | 1992-1995             | Engine ABD                |
|       | Vento 1.4              | 1995-1998             | Engine AEX                |
|       | Vento 1.6              | 1991-1992             | Engine ABU                |
|       | Vento 1.6              | 1992-1994             | Engine ABU                |
|       | Vento 1.6 (55 kW)      | 1994-1998             | Engine AEA, AEE           |
|       | Vento 1.6 (74 kW)      | 1994-1998             | Engine AEK, AFT           |
|       | Vento 1.8              | 1991-1992             | Engine AAM                |
|       | Vento 1.8              | 1992-1998             | Engine AAM, ABS, ADZ      |
|       | Vento 2.0              | 1991-1992             | Engine 2E                 |
|       | Vento 2.0              | 1992-1998             | Engine 2E, ADY, AGG       |
|       | Vento 2.0 16V          | 1992-1998             | Engine ABF                |
|       | Vento VR6              | 1991-1992             | Engine AAA                |
|       | Vento VR6              | 1992-1998             | Engine AAA                |
|       | Vento 1.9 SDI          | 1996-1998             | Engine AEY                |
|       | Vento 1.9 TDI          | 1993-1998             | Engine 1Z                 |
|       | Vento 1.9 Diesel       | 1991-1992             | Engine 1Y                 |
|       | Vento 1.9 Diesel       | 1992-1998             | Engine 1Y                 |

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|           | Vento 1.9 Turbo Diesel 1991-1992<br>Engine AAZ                     |
|           | Vento 1.9 Turbo Diesel 1992-1998<br>Engine AAZ                     |
| Jetta     | Jetta 1.6 2005-2009<br>Engine BSE, BSF                             |
|           | Jetta 1.6 16V FSI 2005-2009<br>Engine BLF                          |
|           | Jetta 2.0 16V FSI 2005-2008<br>Engine BLR, BLX, BLY, BVX, BVY, BVZ |
|           | Jetta 2.0 16V TSI 2005-2010<br>Engine BWA, CCZA, CAWB              |
| Eos       | Eos 1.6 16V FSI 2006-2008<br>Engine BLF                            |
|           | Eos 2.0 16V FSI 2006-2009<br>Engine BLR, BVY, BVZ                  |
| Bora      | Bora 1.4 16V 2000-2005<br>Engine AHW, AKQ                          |
|           | Bora 1.6 1998-2000<br>Engine AEH, AKL                              |
|           | Bora 1.6 2000-2005<br>Engine AEH, AKL                              |
|           | Bora 1.6 16V 2000-2005<br>Engine ATN, AUS, AZD                     |
|           | Bora 1.6 16V FSI 2002-2005<br>Engine BAD                           |
|           | Bora 1.8 20V 1998-2000<br>Engine AGN                               |
|           | Bora 1.8 20V 2000-2001<br>Engine AGN                               |
|           | Bora 1.8 20V Turbo 1999-2000<br>Engine AGU                         |
|           | Bora 1.8 20V Turbo 2000-2005<br>Engine AGU                         |
|           | Bora 2.0 1998-2000<br>Engine AQY                                   |
|           | Bora 2.0 2000-2005<br>Engine AQY                                   |
|           | Bora 1.9 TDI (66 kW) 1998-2000<br>Engine ALH, AGR                  |
|           | Bora 1.9 TDI (66 kW) 2000-2005<br>Engine ALH, AGR                  |
|           | Bora 1.9 TDI (66 kW) 4Motion 2000-2002<br>Engine ALH, AGR          |
|           | Bora 1.9 TDI (81 kW) 1998-2000<br>Engine AHF                       |
|           | Bora 1.9 TDI (81 kW) 2000-2005<br>Engine AHF                       |
| Passat B2 | Passat 1.3 1986-1988<br>Engine EP                                  |
|           | Passat 1.6 1986-1987<br>Engine DT                                  |
|           | Passat 1.8 (66 kW) 1986-1988<br>Engine DS                          |
|           | Passat 2.0 1986-1988<br>Engine JS                                  |
|           | Passat 2.0 Syncro Variant 1986-1988<br>Engine JS                   |
|           | Passat 2.23 1986-1988<br>Engine KV                                 |
|           | Passat 2.23 Variant Syncro 1986-1988<br>Engine HY                  |
|           | Passat 1.6 Diesel 1986-1988<br>Engine JK                           |
|           | Passat 1.6 Turbo Diesel 1986-1988<br>Engine CY                     |
| Passat    | Passat 1.6 1988-1990<br>Engine 1F                                  |
|           | Passat 1.8 (55 kW) 1990-1992<br>Engine AAM                         |
|           | Passat 1.8 (55 kW) 1992-1993<br>Engine AAM                         |
|           | Passat 1.8 (55 kW) 1993-1996<br>Engine AAM                         |
|           | Passat 1.8 (66 kW) 1988-1991<br>Engine RP                          |
|           | Passat 1.8 (66 kW) 1991-1992                                       |

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|  | Engine ABS                          |
| Passat 1.8 (66 kW) 1992-1993                 | Engine ABS                          |
| Passat 1.8 (66 kW) 1993-1996                 | Engine ABS                          |
| Passat 1.8 (79 kW) 1988-1990                 | Engine PF                           |
| Passat 1.8 G60 Syncro 1989-1993              | Engine PG                           |
| Passat 2.0 1990-1992                         | Engine 2E                           |
| Passat 2.0 1992-1993                         | Engine 2E                           |
| Passat 2.0 1993-1996                         | Engine 2E                           |
| Passat 2.0 Syncro 1990-1992                  | Engine 2E                           |
| Passat 2.0 Syncro 1992-1993                  | Engine 2E                           |
| Passat 2.0 Syncro 1993-1996                  | Engine 2E                           |
| Passat 2.0 16V 1988-1992                     | Engine 9A                           |
| Passat 2.0 16V 1992-1993                     | Engine 9A                           |
| Passat 2.0 16V 1993-1996                     | Engine ABF                          |
| Passat 2.8 VR6 1991-1992                     | Engine AAA                          |
| Passat 2.8 VR6 1992-1993                     | Engine AAA                          |
| Passat 2.8 VR6 1993-1996                     | Engine AAA                          |
| Passat 1.6 Turbo Diesel 1988-1989            | Engine RA                           |
| Passat 1.6 Turbo Diesel 1989-1991            | Engine SB                           |
| Passat 1.9 Diesel 1989-1992                  | Engine 1Y                           |
| Passat 1.9 Diesel 1992-1993                  | Engine 1Y                           |
| Passat 1.9 Turbo Diesel 1991-1992            | Engine AAZ                          |
| Passat 1.9 Turbo Diesel 1992-1993            | Engine AAZ                          |
| Passat 1.9 Turbo Diesel 1993-1996            | Engine AAZ                          |
| Passat 1.9 TDI (66 kW) 1993-1996             | Engine 1Z                           |
| Passat B5                                    |                                     |
| Passat 1.6 1996-2000                         | Engine ADP                          |
|  | Engine AHL, ANA, ARM                |
| Passat 1.6 2000-2005                         | Engine ALZ                          |
| Passat 1.8 20V 1996-1999                     | Engine ADR, ARG                     |
| Passat 1.8 20V Turbo 1996-2000               | Engine AEB, ANB, APU, ATW, AUG, AWT |
| Passat 1.8 20V Turbo 2000-2005               | Engine AUG, AWT, BGC                |
| Passat 2.0 2000-2005                         | Engine                              |
| Passat 2.0 4Motion 2000-2005                 | Engine                              |
| Passat 2.0 20V 2002-2005                     | Engine ALT                          |
| Passat 1.9 TDI (66 kW) 1996-2000             | Engine 1Z, AHU                      |
| Passat 1.9 TDI (81 kW) 1996-2000             | Engine AFN                          |
| Passat 1.9 TDI (81 kW) 4Motion 1997-2000     | Engine AFN                          |
| Passat 2.5 V6 TDI (110 kW) 1999-2000         | Engine                              |
| Passat 2.5 V6 TDI (110 kW) 2000-2003         | Engine                              |
| Passat 2.5 V6 TDI (110 kW) 4Motion 1999-2000 | Engine                              |
| Passat 2.5 V6 TDI (110 kW) 4Motion 2000-2003 | Engine                              |
| Passat 2.5 V6 TDI (120 kW) 2003-2005         |                                     |

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|             | Engine                                       |
|             | Passat 2.5 V6 TDI (132 kW) 4Motion 2003-2005 |
|             | Engine                                       |
| Passat B6   |  |
|             | Passat 1.6 2005-2010                         |
|             | Engine BSE, BSF                              |
|             | Passat 1.6 FSI 2005-2009                     |
|             | Engine BLF                                   |
|             | Passat 2.0 16V FSI 2005-2010                 |
|             | Engine BLR, BLX, BLY, BVX, BZY, BVZ          |
|             | Passat 2.0 16V FSI 4Motion 2005-2010         |
|             | Engine BLX, BVX                              |
|             | Passat 2.0 TFSI (147 kW) 2005-2008           |
|             | Engine AXX, BZY                              |
|             | Passat 3.2 V6 FSI 4Motion 2005-2010          |
|             | Engine AXZ                                   |
| Scirocco    |  |
|             | Scirocco 1.6 1983-1986                       |
|             | Engine EW                                    |
|             | Scirocco 1.6 1986-1991                       |
|             | Engine EW                                    |
|             | Scirocco 1.8 1983-1986                       |
|             | Engine EX                                    |
|             | Scirocco 1.8 1986-1992                       |
|             | Engine EX                                    |
|             | Scirocco 1.8 GT 1983-1986                    |
|             | Engine DX                                    |
|             | Scirocco 1.8 GT 1986-1992                    |
|             | Engine DX                                    |
|             | Scirocco 1.8 16V 1985-1989                   |
|             | Engine KR                                    |
| Corrado     |  |
|             | Corrado 1.8i 16V 1988-1992                   |
|             | Engine KR                                    |
|             | Corrado 1.8i G60 1988-1993                   |
|             | Engine PG                                    |
|             | Corrado 2.0i 1993-1995                       |
|             | Engine 2E, ADY                               |
|             | Corrado 2.0i 16V 1992-1995                   |
|             | Engine 9A                                    |
|             | Corrado 2.8 VR6 1992-1995                    |
|             | Engine AAA                                   |
|             | Corrado 2.9 VR6 1992-1995                    |
|             | Engine ABV                                   |
| Sharan      |  |
|             | Sharan 1.8 20V Turbo 1997-2000               |
|             | Engine AJH                                   |
|             | Sharan 1.8 20V Turbo 2000-2010               |
|             | Engine AWC                                   |
|             | Sharan 2.0 1995-2000                         |
|             | Engine ADY                                   |
|             | Sharan 2.0 2000-2010                         |
|             | Engine ATM                                   |
|             | Sharan 1.9 TDI (66 kW) 1996-2000             |
|             | Engine AHU, 1Z                               |
|             | Sharan 1.9 TDI (81 kW) 1996-2000             |
|             | Engine AFN                                   |
| Touran      |  |
|             | Touran 1.6 (75 kW) 2003-2006                 |
|             | Engine BGU, BSE, BSF                         |
|             | Touran 1.6 FSI (85 kW) 2003-2006             |
|             | Engine BAG, BLF, BLP                         |
| Touran      |  |
|             | Touran 1.6 FSI (85 kW) 2006-2007             |
|             | Engine BLF                                   |
| Touareg     |  |
|             | Touareg 4.2 V8 2002-2007                     |
|             | Engine AXQ                                   |
| Caddy Combi |  |
|             | Caddy Combi 1.4 (55 kW) 2004-2009            |
|             | Engine BCA                                   |
|             | Caddy Combi 1.4 (59 kW) 2006-2010            |
|             | Engine BUD                                   |
|             | Caddy Combi 2.0 EcoFuel (CNG) 2006-2010      |
|             | Engine BSX                                   |
| Multivan    |  |
|             | Multivan 2.0 2003-2009                       |
|             | Engine AXA                                   |
|             | Multivan 3.2 V6 2003-2009                    |
|             | Engine BDL                                   |
|             | Multivan 3.2 V6 4Motion 2004-2009            |
|             | Engine BDL                                   |

# Lubricant Report

Volvo

|     |                   |                   |                     |
|-----|-------------------|-------------------|---------------------|
| 200 | 240 2.0           | 1985-1990         | Engine B200K/E      |
|     | 240 2.0           | 1991-1993         | Engine B200K/E      |
|     | 240 2.3           | 1985-1990         | Engine B230A/E/F/FX |
|     | 240 2.3           | 1991-1993         | Engine B230A/E/F/FX |
| 300 | 340 1.4           | 1982-1991         | Engine B14          |
|     | 340 1.7           | 1982-1991         | Engine B172         |
|     | 360 2.0           | 1982-1990         | Engine B200         |
| 400 | 440 1.6i          | 1992-1995         | Engine B16F         |
|     | 440 1.7           | 1988-1990         | Engine B18KP        |
|     | 440 1.7           | 1991-1993         | Engine B18 KP       |
|     | 440 1.7i          | 1988-1990         | Engine B18 E        |
|     | 440 1.7i          | 1991-1995         | Engine B18 E        |
|     | 440 1.7i Turbo    | 1988-1990         | Engine B18 FT(M)    |
|     | 440 1.7i Turbo    | 1991-1997         | Engine B18 FT(M)    |
|     | 440 1.8i          | 1992-1997         | Engine B18U-103     |
|     | 440 2.0i          | 1992-1997         | Engine B20F 116/118 |
|     | 460 1.6i          | 1992-1995         | Engine B16F         |
|     | 460 1.7           | 1989-1990         | Engine B18KP        |
|     | 460 1.7           | 1991-1993         | Engine B18 KP       |
|     | 460 1.7i          | 1989-1990         | Engine B18 E        |
|     | 460 1.7i          | 1991-1995         | Engine B18 E        |
|     | 460 1.7i Turbo    | 1989-1990         | Engine B18 FT(M)    |
|     | 460 1.7i Turbo    | 1991-1997         | Engine B18 FT(M)    |
|     | 460 1.8i          | 1992-1997         | Engine B18U-103     |
|     | 460 2.0i          | 1992-1997         | Engine B20F 116/118 |
|     | 480 1.7i          | 1986-1990         | Engine B18E         |
|     | 480 1.7i          | 1991-1993         | Engine B18E         |
|     | 480 1.7i Turbo    | 1988-1990         | Engine B18 FT(M)    |
|     | 480 1.7i Turbo    | 1991-1995         | Engine B18FT        |
|     | 480 2.0i          | 1993-1996         | Engine B20F 116/118 |
| 700 | 740 2.0-16V Turbo | B204GT 1990-1991  | Engine B204GT       |
| 800 | 850 2.0 10V       | B5202FS 1993-1997 | Engine B5202FS      |
|     | 850 2.0 10V       | B5202S 1993-1997  | Engine B5202S       |
|     | 850 2.0 20V       | B5204S 1993-1997  | Engine B5204S       |
|     | 850 2.0 20V Turbo | B5204T 1994-1997  | Engine B5204T       |
|     | 850 2.5 10V       | B5252FS 1992-1993 | Engine B5252FS      |
|     | 850 2.5 10V       | B5252S 1994-1996  | Engine B5252S       |
|     | 850 2.5 20V       | B5254FS 1991-1993 | Engine B5254FS      |

|     |                                    |
|-----|------------------------------------|
|     | 850 2.5 20V B5254S 1994-1996       |
|     | Engine B5254FS                     |
|     | 850 T-5 B5234T 1993-1996           |
|     | Engine B5234T                      |
|     | 850 T-5R B5234T 1995-1995          |
|     | Engine B5234T                      |
|     | 850 R B5234T5 1996-1996            |
|     | Engine B5234T5                     |
| 900 |                                    |
|     | 940 2.0 B200F 1991-1995            |
|     | Engine B200F                       |
|     | 940 2.0 B200E 1991-1995            |
|     | Engine B200E                       |
|     | 940 2.0 B200G 1991-1994            |
|     | Engine B200G                       |
|     | 940 2.0 Turbo B200FT 1990-1997     |
|     | Engine B200FT                      |
|     | 940 2.0-16V Turbo B204GT 1991-1993 |
|     | Engine B204GT                      |
|     | 940 2.3 B230F 1990-1993            |
|     | Engine B230F                       |
|     | 940 2.3 B230G 1990-1993            |
|     | Engine B230G                       |
|     | 940 2.3 B230FD 1990-1993           |
|     | Engine B230FD                      |
|     | 940 2.3 B230FB 1990-1995           |
|     | Engine B230FB                      |
|     | 940 2.3 i.c. B230FK 1995-1998      |
|     | Engine B230FK                      |
|     | 940 2.3 Turbo B230FT 1990-1998     |
|     | Engine B230FT                      |
|     | 940 2.3 Turbo B230GT 1990-1998     |
|     | Engine B230GT                      |
|     | 940 V6 B280E 1990-1992             |
|     | Engine B280E                       |
|     | 960 2.0-16V Turbo B204FT 1990-1993 |
|     | Engine B204FT                      |
|     | 960 2.3 Turbo B230FT 1990-1993     |
|     | Engine B230FT                      |
|     | 960 2.3 Turbo B230GT 1990-1993     |
|     | Engine B230GT                      |
|     | 960 2.5 24V B6244S 1994-1996       |
|     | Engine B6244S                      |
|     | 960 2.5 24V B6254G 1994-1996       |
|     | Engine B6254G                      |
|     | 960 2.5 24V B6254S 1994-1996       |
|     | Engine B6254S                      |
|     | 960 3.0 24V B6304F 1991-1996       |
|     | Engine B6304F                      |
|     | 960 3.0 24V B6304G 1991-1996       |
|     | Engine B6304G                      |
|     | 960 3.0 24V B6304S2 1994-1996      |
|     | Engine B6304S2                     |
| C70 |                                    |
|     | C70 2.4 1999-2001                  |
|     | Engine B5244S                      |
|     | C70 2.5 1998-1999                  |
|     | Engine B5254S                      |
|     | C70 2.0 T (132 kW) 1997-1998       |
|     | Engine B5204T2                     |
|     | C70 T5 2.0 1998-2002               |
|     | Engine B5204T3                     |
| S70 |                                    |
|     | S70 2.0 1996-2000                  |
|     | Engine B5202FS                     |
|     | S70 2.3i 1997-1999                 |
|     | Engine B5234S                      |
|     | S70 2.4 1999-2000                  |
|     | Engine B5244S2                     |
|     | S70 2.4 20V 1999-2000              |
|     | Engine B5244S                      |
|     | S70 2.4 T 1999-2000                |
|     | Engine B5244T                      |
|     | S70 2.4 T AWD 1999-2000            |
|     | Engine B5244T                      |
|     | S70 2.5 1996-1998                  |
|     | Engine B5252S                      |
|     | S70 2.5 20V 1996-1999              |
|     | Engine B5254S                      |
|     | S70 2.5 T 1996-1999                |
|     | Engine B5254T                      |
|     | S70 T5 2.0 (132 kW) 1996-2000      |



|       |                               |
|-------|-------------------------------|
|       | Engine B5204T2                |
|       | S70 T5 2.3 (166 kW) 1996-1999 |
|       | Engine B5234T                 |
|       | S70 T5 2.3 (177 kW) 1999-2000 |
|       | Engine B5234T5                |
|       | S70 R 2.0 (166 kW) 1996-2000  |
|       | Engine B5204T3                |
|       | S70 R 2.3 (184 kW) 1996-2000  |
|       | Engine B5234T4                |
| S90   |                               |
|       | S90 2.5 24V B6254F 1996-1998  |
|       | Engine B6254F                 |
|       | S90 2.5 24V B6254G 1996-1998  |
|       | Engine B6254G                 |
|       | S90 2.5 24V B6254S 1996-1998  |
|       | Engine B6254S                 |
|       | S90 3.0 24V B6304F1 1996-1998 |
|       | Engine B6304F1                |
|       | S90 3.0 24V B6304F2 1996-1998 |
|       | Engine B6304F2                |
|       | S90 3.0 24V B6304G 1996-1998  |
|       | Engine B6304G                 |
|       | S90 3.0 24V B6304S3 1996-1998 |
|       | Engine B6304S3                |
| V70   |                               |
|       | V70 2.0 1996-2000             |
|       | Engine B5202FS                |
|       | V70 2.3i 1997-1999            |
|       | Engine B5234S                 |
|       | V70 2.4 1999-2000             |
|       | Engine B5244S2                |
|       | V70 2.4 20V 1999-2000         |
|       | Engine B5244S                 |
|       | V70 2.4 T 1999-2000           |
|       | Engine B5244T                 |
|       | V70 2.4 T AWD 1999-2000       |
|       | Engine B5244T                 |
|       | V70 2.5 1996-1998             |
|       | Engine B5252S                 |
|       | V70 2.5 20V 1996-1999         |
|       | Engine B5254S                 |
|       | V70 2.5 T 1996-1999           |
|       | Engine B5254T                 |
|       | V70 2.5 T AWD 1996-1999       |
|       | Engine B5254T                 |
|       | V70 T5 2.0 (132 kW) 1996-2000 |
|       | Engine B5204T2                |
|       | V70 T5 2.3 (166 kW) 1996-1999 |
|       | Engine B5234T                 |
|       | V70 T5 2.3 (177 kW) 1999-2000 |
|       | Engine B5234T5                |
|       | V70 R 2.0 (166 kW) 1996-2000  |
|       | Engine B5204T3                |
|       | V70 R 2.3 (184 kW) 1996-2000  |
|       | Engine B5234T4                |
|       | V70 R AWD (184 kW) 1998-1999  |
|       | Engine B5234T4                |
|       | V70 R AWD (195 kW) 1999-2000  |
|       | Engine B5234T4                |
|       | V70 XC 2.4 T 1999-2000        |
|       | Engine B5244T                 |
|       | V70 XC 2.5 T 1998-2000        |
|       | Engine B5254T                 |
| V90   |                               |
|       | V90 2.5 24V B6254F 1996-1998  |
|       | Engine B6254F                 |
|       | V90 2.5 24V B6254G 1996-1998  |
|       | Engine B6254G                 |
|       | V90 2.5 24V B6254S 1996-1998  |
|       | Engine B6254S                 |
|       | V90 3.0 24V B6304F1 1996-1998 |
|       | Engine B6304F1                |
|       | V90 3.0 24V B6304F2 1996-1998 |
|       | Engine B6304F2                |
|       | V90 3.0 24V B6304G 1996-1998  |
|       | Engine B6304G                 |
|       | V90 3.0 24V B6304S3 1996-1998 |
|       | Engine B6304S3                |
| ZAZ   |                               |
| Forza |                               |
|       | Forza 1.5 2011-               |
|       | Engine SQR477F                |

# Lubricant Report

Cars of the People's Republic of China  
Beijing Hyundai

Accent / Ya Shen Te  
 Accent / Ya Shen Te 1.4 2005-2011  
 Engine G4EE  
 Accent / Ya Shen Te 1.6 2005-2011  
 Engine G4ED

Elantra / Yilante  
 Elantra / Yilante 1.6 2004-  
 Engine G4ED  
 Elantra / Yilante 1.8 2004-  
 Engine G4GB

NF / Yuxiang  
 NF / Yuxiang 2.0 2005-  
 Engine G4KA

Sonata / Suonata  
 Sonata / Suonata 2.0 2003-2010  
 Engine G4GC  
 Sonata / Suonata 2.7 2003-2010  
 Engine G6BA

Tuscon / Tusheng  
 Tuscon / Tusheng 2.0 2005-  
 Engine G4GC  
 Tuscon / Tusheng 2.7 2005-  
 Engine G6BA

BYD

F0  
 F0 1.0MT 2008-  
 Engine BYD371QA

F3  
 F3 1.0 2010-  
 Engine BYD371QA  
 F3 / F3R 1.5 QCJ7150 A/A1, QCJ7151 A/A1, QCJ7361 A 2005-  
 Engine DA4G15S  
 F3 / F3R 1.6 QCJ7160 A/A1/A2 2005-  
 Engine DA4G18

F6  
 F6 2.0 16V QCJ7200E 2007-  
 Engine BYD483QB  
 F6 2.4 16V QCJ7240E 2007-  
 Engine 4G69S4M

G3  
 G3 1.5 2009-  
 Engine BYD473QB  
 G3 1.8 2009-  
 Engine BYD483QA

L3  
 L3 1.5 8V 2008-  
 Engine BYD473QB  
 L3 1.5 16V 2008-  
 Engine 4G15S  
 L3 1.8 16V 2008-  
 Engine BYD483QA

M6  
 M6 2.0 2010-  
 Engine BYD483QB  
 M6 2.4 2010-  
 Engine 4G69S4M

S6  
 S6 2.0 2011-  
 Engine BYD483QB  
 S6 2.4 2011-  
 Engine 4G69S4M

Chang'an

Benni Mini  
 Benni Mini 1.0 2010-  
 Engine GL474Q2

Benni F1  
 Benni F1 1.3 2010-  
 Engine GL474Q2

Benni F2  
 Benni F2 1.3 2010-  
 Engine GL474Q2

Benni F3  
 Benni F3 1.3 2010-  
 Engine GL474Q2

Benni Love  
 Benni Love 1.3 2010-  
 Engine GL474Q2

Chery

A13

# Lubricant Report

|                |                                  |                 |
|----------------|----------------------------------|-----------------|
|                | A13 1.5 2008-                    | Engine SQR477F  |
| Bonus          | Bonus 1.5 2008-                  | Engine SQR477F  |
| Fulwin2        | Fulwin2 1.5 2008-                | Engine SQR477F  |
| Storm2         | Storm2 1.5 2008-                 | Engine SQR477F  |
| A3             | A3 1.6 (88 kW) 2008-             | Engine SQR481F  |
|                | A3 1.6 (95 kW) 2008-             | Engine E4G16    |
|                | A3 1.8 2008-                     | Engine SQR481FC |
|                | A3 2.0 2008-                     | Engine SQR484F  |
| M11 / M12      | M11 / M12 1.6 (88 kW) 2008-      | Engine SQR481F  |
|                | M11 / M12 1.6 (95 kW) 2008-      | Engine E4G16    |
|                | M11 / M12 1.8 2008-              | Engine SQR481FC |
|                | M11 / M12 2.0 2008-              | Engine SQR484F  |
| Tengo          | Tengo 1.6 (88 kW) 2008-          | Engine SQR481F  |
|                | Tengo 1.6 (95 kW) 2008-          | Engine E4G16    |
|                | Tengo 1.8 2008-                  | Engine SQR481FC |
|                | Tengo 2.0 2008-                  | Engine SQR484F  |
| Chance / Niche | Chance / Niche 1.6 (88 kW) 2008- | Engine SQR481F  |
|                | Chance / Niche 1.6 (95 kW) 2008- | Engine E4G16    |
|                | Chance / Niche 1.8 2008-         | Engine SQR481FC |
|                | Chance / Niche 2.0 2008-         | Engine SQR484F  |
| Cielo          | Cielo 1.6 (88 kW) 2008-          | Engine SQR481F  |
|                | Cielo 1.6 (95 kW) 2008-          | Engine E4G16    |
|                | Cielo 1.8 2008-                  | Engine SQR481FC |
|                | Cielo 2.0 2008-                  | Engine SQR484F  |
| Skin (Sport)   | Skin (Sport) 1.6 (88 kW) 2008-   | Engine SQR481F  |
|                | Skin (Sport) 1.6 (95 kW) 2008-   | Engine E4G16    |
|                | Skin (Sport) 1.8 2008-           | Engine SQR481FC |
|                | Skin (Sport) 2.0 2008-           | Engine SQR484F  |
| Ove / Alve     | Ove / Alve 1.6 (88 kW) 2008-     | Engine SQR481F  |
|                | Ove / Alve 1.6 (95 kW) 2008-     | Engine E4G16    |
|                | Ove / Alve 1.8 2008-             | Engine SQR481FC |
|                | Ove / Alve 2.0 2008-             | Engine SQR484F  |
| Cowin (Qiyun)  | Cowin (Qiyun) 1.6 2003-          | Engine SQR480   |
| QQ3            | QQ3 0.8 2003-                    | Engine SQR372   |
|                | QQ3 1.1 (1050 cc) 2003-          | Engine DA465    |

# Lubricant Report

|                  |                    |   |
|------------------|--------------------|---|
|                  | Tiggo              | Tiggo 1.6 (88 kW) 2006-<br>Engine SQR481F               |
|                  |                    | Tiggo 1.6 (110 kW) 2010-<br>Engine                      |
|                  |                    | Tiggo 2.0 2006-<br>Engine SQR484F                       |
|                  |                    | Tiggo 2.4 2008-<br>Engine 4G64S4M                       |
|                  | Ruihu              | Ruihu 1.6 (88 kW) 2006-<br>Engine SQR481F               |
|                  |                    | Ruihu 1.6 (110 kW) 2010-<br>Engine                      |
|                  |                    | Ruihu 2.0 2006-<br>Engine SQR484F                       |
|                  |                    | Ruihu 2.4 2008-<br>Engine 4G64S4M                       |
|                  | T11                | T11 1.6 (88 kW) 2006-<br>Engine SQR481F                 |
|                  |                    | T11 1.6 (110 kW) 2010-<br>Engine                        |
|                  |                    | T11 2.0 2006-<br>Engine SQR484F                         |
|                  |                    | T11 2.4 2008-<br>Engine 4G64S4M                         |
| Chevrolet        | Spark              | Spark 0.8 2005-<br>Engine                               |
|                  |                    | Spark 1.0 2005-<br>Engine L-4 SOHC                      |
|                  | Aveo               | Aveo 1.2 8V 2005-<br>Engine 1.2 SOHC                    |
|                  |                    | Aveo 1.4 16V 2005-<br>Engine 1.4 DOHC                   |
|                  |                    | Aveo 1.6 16V 2005-<br>Engine 1.6 DOHC                   |
|                  | Lova               | Lova 1.2 8V 2005-<br>Engine 1.2 SOHC                    |
|                  |                    | Lova 1.4 16V 2005-<br>Engine 1.4 DOHC                   |
|                  |                    | Lova 1.6 16V 2005-<br>Engine 1.6 DOHC                   |
|                  | Sail               | Sail 1.6 8V 2005-<br>Engine BPR6EY                      |
| DongFeng         | JingYi             | JingYi 1.5 2009-<br>Engine 4A91S                        |
|                  |                    | JingYi 1.8 2009-<br>Engine 4G93                         |
| DongFeng Citroën | Elysee (Ailishe)   | Elysee (Ailishe) 1.6 2002-<br>Engine PSA TU5JP4 (N6A)   |
|                  | Fukang             | Fukang 1.4 1998-<br>Engine TU3JP                        |
|                  |                    | Fukang 1.6 1998-<br>Engine TU5JP                        |
|                  | C2                 | C2 1.6 2006-<br>Engine PSA TU5JP4 (N6A)                 |
|                  | Picasso (Bijiasuo) | Picasso (Bijiasuo) 1.6 2001-<br>Engine PSA TU5JP4 (N6A) |
|                  |                    | Picasso (Bijiasuo) 2.0 2001-<br>Engine PSA EW10J4 (RFN) |
|                  | Xsara (Saina)      | Xsara (Saina) 2.0 2003-<br>Engine PSA EW10J4 (RFN)      |
| DongFeng Nissan  | Tiida (Qida)       | Tiida (Qida) 1.6 16V 2005-<br>Engine HR16DE             |
|                  | Bluebird (Lanniao) | Bluebird (Lanniao) 2.0 16V 2001-2003                    |

# Lubricant Report

|                  |                        |                                  |
|------------------|------------------------|----------------------------------|
|                  |                        | Engine EQ486 (Nissan SR20DE)     |
|                  | Teana (Tianlai)        |                                  |
|                  | Teana (Tianlai) 2.0    | 2004-<br>Engine QR20DE           |
|                  | Teana (Tianlai) 2.3 V6 | 2004-<br>Engine VQ23DE           |
|                  | Teana (Tianlai) 3.5 V6 | 2004-<br>Engine VQ35DE           |
|                  | Livina / Livina Geniss |                                  |
|                  | Livina 1.6             | 2007-<br>Engine HR16DE           |
|                  | Livina Geniss 1.8      | 2005-<br>Engine MR18DE           |
|                  | Sylphy (Xuan Yi)       |                                  |
|                  | Sylphy (Xuan Yi) 1.6   | 2006-2011<br>Engine HR16DE       |
|                  | Sylphy (Xuan Yi) 2.0   | 2006-2011<br>Engine MR20DE       |
| DongFeng Peugeot |                        |                                  |
|                  | 206                    |                                  |
|                  | 206 1.4                | 2006-<br>Engine PSA TU3AF        |
|                  | 206 1.6                | 2006-<br>Engine PSA TU5JP4 (N6A) |
|                  | 307                    |                                  |
|                  | 307 1.6                | 2004-<br>Engine PSA TU5JP4 (N6A) |
|                  | 307 2.0                | 2004-<br>Engine PSA EW10J4 (RFN) |
| FAW Toyota       |                        |                                  |
|                  | Vios                   |                                  |
|                  | Vios 1.3 16V           | 2002-<br>Engine 2SZ              |
|                  | Corolla (Huaguan)      |                                  |
|                  | Corolla (Huaguan) 1.8  | 2006-<br>Engine 1ZZ-FE           |
| Geely            |                        |                                  |
|                  | LC (Panda)             |                                  |
|                  | Panda 1.0              | 2010-<br>Engine JL3G10           |
|                  | Panda 1.3              | 2010-<br>Engine MR479Q           |
|                  | Panda 1.5              | 2010-<br>Engine MR479QA          |
|                  | MR (Meiri)             |                                  |
|                  | MR 1.3 16V             | 2006-<br>Engine MR479Q           |
|                  | HQ (Hoaqing)           |                                  |
|                  | HQ 1.0                 | 2005-<br>Engine JL378QE          |
|                  | HQ SRV                 | 2005-<br>Engine MR479Q           |
|                  | CK (Free Cruiser)      |                                  |
|                  | CK 1.6 16V             | 2004-<br>Engine MR481QA          |
|                  | MK (King Kong)         |                                  |
|                  | MK 1.6 16V             | 2006-<br>Engine MR481QA          |
|                  | FC (Vision)            |                                  |
|                  | FC 1.8 16V             | 2006-<br>Engine JL4G18           |
|                  | BL (Beauty Leopard)    |                                  |
|                  | BL 1.5                 | 2004-<br>Engine MR479QA          |
|                  | EC7 (Emgrand)          |                                  |
|                  | EC7 1.8                | 2010-<br>Engine JL4G18           |
|                  | EC7-RV 1.8             | 2010-<br>Engine JL4G18           |
|                  | Zhongguolong           |                                  |
|                  | Zhongguolong 1.5       | 2009-<br>Engine MR479QA          |
|                  | Zhongguolong 1.8       | 2008-<br>Engine JL4G18           |
|                  | JG                     |                                  |
|                  | JG 1.5                 | 2006-<br>Engine MR479QA          |
|                  | JY                     |                                  |
|                  | JY 1.5                 | 2008-<br>Engine MR479QA          |
|                  | YJ                     |                                  |
|                  | YJ 1.5 CVVT            | 2009-                            |

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|                |                        |                             |
|----------------|------------------------|-----------------------------|
|                |                        | Engine JL4G15               |
|                | YJ 1.8 CVVT            | 2006-<br>Engine JL4G18      |
| ZYJ            |                        |                             |
|                | ZYJ 1.3                | 2007-<br>Engine MR479Q      |
|                | ZYJ 1.5                | 2007-<br>Engine MR479QA     |
| GC7 (GL Eagle) |                        |                             |
|                | GC7 1.5 DVVT           | 2011-<br>Engine JL4G15      |
|                | GC7 1.8 DVVT           | 2011-2013<br>Engine JL4G18  |
| Great Wall     |                        |                             |
|                | Haval M1               |                             |
|                | Haval M1 1.3           | 2007-<br>Engine GW4G13      |
|                | Haval M1 1.3 AWD       | 2009-<br>Engine GW4G13      |
|                | Florid                 |                             |
|                | Florid 1.3             | 2008-<br>Engine GW4G13      |
|                | Florid 1.3 VVT         | 2009-<br>Engine GW413EF     |
|                | Florid 1.5 VVT         | 2010-<br>Engine GW4G15      |
| Voleex C30     |                        |                             |
|                | Voleex C30 1.5         | 2010-<br>Engine GW4G15      |
| Coolbear       |                        |                             |
|                | Coolbear 1.5           | 2009-<br>Engine GW4G15      |
| Haval M2       |                        |                             |
|                | Haval M2 1.5           | 2009-<br>Engine GW4G15      |
|                | Haval M2 1.5 AWD       | 2010-<br>Engine GW4G15      |
| Haval H3       |                        |                             |
|                | Haval H3 2.0           | 2009-<br>Engine 4G63S4M     |
|                | Haval H3 2.0 AWD       | 2009-<br>Engine 4G63S4M     |
|                | Haval H3 2.4           | 2010-<br>Engine 4G69S4N     |
|                | Haval H3 2.4 AWD       | 2010-<br>Engine 4G69S4N     |
|                | Haval H3 2.5 TCI       | 2010-<br>Engine GW2.5TCI    |
|                | Haval H3 2.5 TCI AWD   | 2010-<br>Engine GW2.5TCI    |
| Hover          |                        |                             |
|                | Hover 2.0              | 2010-<br>Engine 4G63S4M     |
|                | Hover 2.4 (93 kW)      | 2009-<br>Engine 4G64S4M     |
|                | Hover 2.4 (100 kW)     | 2010-<br>Engine 4G69S4N     |
|                | Hover 2.4 AWD (93 kW)  | 2009-<br>Engine 4G64S4M     |
|                | Hover 2.4 AWD (100 kW) | 2010-<br>Engine 4G69S4N     |
|                | Hover 2.5 TCT          | 2008-<br>Engine GW2.5TCT    |
|                | Hover 2.5 TCT AWD      | 2008-<br>Engine GW2.5TCT    |
|                | Hover H5 2.5 TCI       | 2010-<br>Engine GW2.5TCI    |
|                | Hover H5 2.5 TCI AWD   | 2010-<br>Engine GW2.5TCI    |
|                | Hover 2.8 TC           | 2006-2010<br>Engine GW2.8TC |
|                | Hover 2.8 TC AWD       | 2006-2010<br>Engine GW2.8TC |
| Deer           |                        |                             |
|                | Deer 2.2               | 2003-<br>Engine GW491QE     |
|                | Deer 2.8 D             | 2003-<br>Engine GW2.8TC-2   |
| Wingle 3       |                        |                             |
|                | Wingle 3 2.4           | 2008-<br>Engine 4G69S4N     |
|                | Wingle 3 2.4 AWD       | 2008-                       |

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|                 |                            |                   |
|-----------------|----------------------------|-------------------|
|                 |                            | Engine 4G69S4N    |
|                 | Wingle 3 2.8 TCI           | 2008-             |
|                 |                            | Engine GW2.8TCI   |
|                 | Wingle 3 2.8 TCI AWD       | 2008-             |
|                 |                            | Engine GW2.8TCI   |
|                 | Wingle 3 3.5 AWD           | 2008-             |
|                 |                            | Engine 6G74       |
| Guangzhou Honda |                            |                   |
|                 | Fit (Feidu)                |                   |
|                 | Fit (Feidu) 1.3            | 2003-             |
|                 |                            | Engine L13A3      |
|                 | Fit (Feidu) 1.5            | 2003-             |
|                 |                            | Engine L15A1      |
|                 | City (Sidi)                |                   |
|                 | City (Sidi) 1.3            | 2003-             |
|                 |                            | Engine L13A3      |
|                 | City (Sidi) 1.5            | 2003-             |
|                 |                            | Engine L15A1      |
|                 | Accord (Yage)              |                   |
|                 | Accord (Yage) 2.0 16V      | 1998-             |
|                 |                            | Engine N6A        |
|                 | Accord (Yage) 2.4 16V      | 2006-             |
|                 |                            | Engine K24A8      |
|                 | Accord (Yage) 3.0 24V      | 2003-2005         |
|                 |                            | Engine J30A4      |
|                 | Odyssey                    |                   |
|                 | Odyssey 2.4 16V            | 2005-             |
|                 |                            | Engine K24A6      |
| JAC             |                            |                   |
|                 | Tong Yue / Tojoy (A-class) |                   |
|                 | Tong Yue / Tojoy 1.3 16V   | 2008-             |
|                 |                            | Engine Mitsubishi |
|                 | Tong Yue / Tojoy 1.5 16V   | 2008-             |
|                 |                            | Engine            |
| Jianghuai       |                            |                   |
|                 | Refine (Ruifeng)           |                   |
|                 | Refine 2.4                 | 2002-             |
|                 |                            | Engine G4JS       |
| Kia             |                            |                   |
|                 | Forte                      |                   |
|                 | Forte 1.6                  | 2009-             |
|                 |                            | Engine G4FC       |
|                 | Forte 2.0                  | 2009-             |
|                 |                            | Engine G4GC       |
|                 | Soul                       |                   |
|                 | Soul 1.6                   | 2010-             |
|                 |                            | Engine G4FC       |
|                 | Soul 2.0                   | 2010-             |
|                 |                            | Engine G4GC       |
|                 | Optima                     |                   |
|                 | Optima 2.0                 | 2006-2011         |
|                 |                            | Engine G4GC       |
|                 | Cerato / Spectra           |                   |
|                 | Cerato 1.6                 | 2008-             |
|                 |                            | Engine G4ED       |
|                 | Cerato 1.8                 | 2008-             |
|                 |                            | Engine G4GB       |
|                 | Carnival                   |                   |
|                 | Carnival 2.7               | 2006-             |
|                 |                            | Engine            |
|                 | Carnival (Jianianhua) 3.5  | 2004-2006         |
|                 |                            | Engine G6CU       |
| Lifan           |                            |                   |
|                 | 520 / Breez                |                   |
|                 | 520 / Breez 1.3            | 2010-             |
|                 |                            | Engine LF479Q3    |
|                 | 520 / Breez 1.6            | 2010-             |
|                 |                            | Engine LF481Q3    |
|                 | 620 / Solano               |                   |
|                 | 620 / Solano 1.5           | 2010-             |
|                 |                            | Engine LF479Q2    |
|                 | 620 / Solano 1.6           | 2010-             |
|                 |                            | Engine LF481Q3    |
| Mitsubishi      |                            |                   |
|                 | Carisma                    |                   |
|                 | Carisma 1.6i               | 1995-1999         |
|                 |                            | Engine 4G92       |
|                 | Carisma 1.6i               | 1999-2005         |
|                 |                            | Engine 4G92       |
|                 | Carisma 1.8i SOHC          | 1995-1999         |
|                 |                            | Engine 4G93       |
|                 | Carisma 1.8i DOHC          | 1995-1999         |

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|   |                  |
|---|------------------|
|   | Engine 4G93      |
| Carisma 1.8 GDi                             | 1997-1999        |
|   | Engine 4G93      |
| Carisma 1.8 GDi                             | 1999-2005        |
|   | Engine 4G93      |
| Carisma 1.9 TD                              | 1996-2005        |
|   | Engine F8QT      |
| Carisma 1.9 DI-D                            | 2001-2005        |
|   | Engine F9Q1      |
| Carisma 1.9 Di-D HP                         | 2001-2005        |
|   | Engine F9Q2      |
| Aspire                                      |                  |
| Aspire 2.4 GDi                              | 1998-2006        |
|   | Engine 4G64-GDI  |
| Legnum                                      |                  |
| Legnum 2.0i SOHC-16V                        | 1996-2004        |
|   | Engine 4G63      |
| Legnum 2.4 GDi                              | 1998-2006        |
|   | Engine 4G64-GDI  |
| Legnum 2.5i V6-24V                          | 1996-2004        |
|   | Engine 6A13      |
| Diamante                                    |                  |
| Diamante 3.0                                | 1991-1996        |
|   | Engine 6G72      |
| Diamante 3.0 24V                            | 1991-1996        |
|   | Engine 6G72      |
| Airtrek                                     |                  |
| Airtrek 2.0 16V (4x2)                       | 2003-2009        |
|   | Engine 4G63      |
| Airtrek 2.0 16V (4x4)                       | 2003-2009        |
|   | Engine 4G63      |
| Airtrek 2.4 16V (4x4)                       | 2003-2009        |
|   | Engine 4G69      |
| Airtrek 2.0 Turbo (4x2)                     | 2003-2009        |
|   | Engine 4G63-DOHC |
| Airtrek 2.0 Turbo (4x4)                     | 2003-2009        |
|   | Engine 4G63-DOHC |
| RVR   |                  |
| RVR 1.6                                     | 2010-            |
|   | Engine 4A92      |
| RVR 1.6 ClearTec                            | 2010-            |
|   | Engine 4A92      |
| RVR 1.8                                     | 2010-            |
|   | Engine 4B10      |
| RVR 2.0 2WD                                 | 2010-            |
|   | Engine 4B11      |
| RVR 2.0 4WD                                 | 2010-            |
|   | Engine 4B11      |
| Chariot Grandis                             |                  |
| Chariot Grandis 2.0 16V                     | 2000-2004        |
|   | Engine 4G63-F    |
| Chariot Grandis 2.0 16V 4WD                 | 2000-2004        |
|   | Engine 4G63-F    |
| Chariot Grandis 2.4 GDi                     | 1998-2004        |
|   | Engine 4G64-GDI  |
| Chariot Grandis 2.4 GDi 4WD                 | 1998-2004        |
|   | Engine 4G64-GDI  |
| Delica                                      |                  |
| Delica 2.0i                                 | 1997-2001        |
|   | Engine 4G63      |
| Delica 2.4                                  | 1997-2001        |
|   | Engine 4G64      |
| Strada                                      |                  |
| Strada 2.5 DI-D 4x2                         | 2006-            |
|   | Engine 4D56      |
| Strada 2.5 DI-D 4x4                         | 2006-            |
|   | Engine 4D56      |
| Shanghai Maple Automobile                   |                  |
| Huapu Biaofeng (Whirlwind)                  |                  |
| Huapu Biaofeng (Whirlwind SXE 7130) 1.3 16V | 2003-2005        |
|   | Engine MR479Q    |
| Haiyu (Marindo)                             |                  |
| Marindo (Haiyu) 1.8                         | 2005-            |
|   | Engine JL481Q    |
| Toyota                                      |                  |
| Corolla Spacio                              |                  |
| Corolla Spacio 1.6 16V                      | 1997-2001        |
|   | Engine 4AFE      |
| Corona                                      |                  |
| Corona 1.4                                  | 1996-2001        |
|   | Engine 4ZZ-FE    |
| Corona 1.6                                  | 1996-2001        |



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|        |            |                                |           |  |
|--------|------------|--------------------------------|-----------|--|
|        |            | Corona 2.0                     | 1996-2001 | Engine 4AFE<br>Engine 3S-FE              |
| Zxauto | Landmark   | Landmark 2.4                   | 2006-     | Engine 4G64S4M                           |
|        | Grandtiger | Grandtiger 2.2                 | 2006-     | Engine 491Q-ME                           |
|        |            | Grandtiger G3 2.4              | 2006-     | Engine 4G64S4M                           |
|        | Changling  | Changling 2.2                  | 2007-     | Engine 491Q-ME                           |
| Vans   | Bedford    | Astramax                       |           |  |
|        |            | Astramax 1.3                   | 1986-1989 | Engine 13S<br>Engine 13N                 |
|        |            | Astramax 1.4i                  | 1991-1993 | Engine C14NZ                             |
|        |            | Astramax 1.6                   | 1986-1990 | Engine 16SV                              |
|        |            | Astramax 1.6i                  | 1991-1993 | Engine C16LZ                             |
|        |            | Astramax 1.6 D                 | 1986-1989 | Engine 16DA                              |
|        |            | Astramax 1.7 D                 | 1989-1993 | Engine 17D                               |
|        | Chrysler   | Voyager                        |           |  |
|        |            | Voyager 2.4i                   | 1996-2001 | Transaxle, manual<br>Engine              |
|        |            | Voyager 2.5 TD                 | 1992-1996 | Engine                                   |
|        |            | Voyager 2.5 TD                 | 1996-2000 | Transaxle, manual A-558/598<br>Engine VM |
|        |            | Voyager 2.5 TD                 | 2001-2002 | Transaxle, manual A-558/598<br>Engine VM |
|        |            | Voyager 2.5 CRD                | 2001-2008 | Engine                                   |
|        |            | Voyager 2.8 CRD                | 2004-2008 | Engine R2816C5.05A                       |
|        |            | Grand Voyager / Town & Country |           |  |
|        |            | Grand Voyager 2.4i             | 1996-2001 | Transaxle, manual                        |
|        |            | Grand Voyager 2.5 TD           | 1992-1996 | Engine                                   |
|        |            | Grand Voyager 2.5 TD           | 1996-2001 | Transaxle, manual A-558/598<br>Engine VM |
|        |            | Grand Voyager 2.5 TD           | 2001-2002 | Transaxle, manual A-558/598<br>Engine VM |
|        |            | Grand Voyager 2.5 CRD          | 2001-2005 | Engine                                   |
|        |            | Grand Voyager 2.8 CRD          | 2004-2008 | Engine R2816C5.05A                       |
|        | Citroën    | Nemo                           |           |  |
|        |            | Nemo 1.4i                      | 2007-2009 | Engine TU3                               |
|        |            | Nemo 1.4 HDi                   | 2007-2009 | Engine DV4TED                            |
|        |            | C15                            |           |  |
|        |            | C 15E 1.0 (X-engine)           | 1984-1988 | Engine/transaxle, manual                 |
|        |            | C 15E 1.0 (TU-engine)          | 1988-1993 | Engine C1A/TU9                           |
|        |            | C 15E 1.1 (X-engine)           | 1984-1988 | Engine/transaxle, manual                 |
|        |            | C 15E 1.1 (E-engine)           | 1987-1988 | Engine E1A                               |
|        |            | C 15E 1.1 (TU-engine)          | 1988-1998 | Engine TU9                               |
|        |            | C 15E 1.3 (G-engine)           | 1987-1988 |  |

|                              |                                       |
|------------------------------|---------------------------------------|
|                              | Engine G1A                            |
| C 15E 1.4 (X-engine)         | 1984-1988<br>Engine/transaxle, manual |
| C 15E 1.4 (TU-engine)        | 1988-1991<br>Engine K1G/TU3           |
| C 15E 1.4i (TU-engine)       | 1991-1997<br>Engine K2D/TU3F          |
| C 15 1.7 D                   | 1985-1986<br>Engine 161A/XUD7         |
| C 15 1.7 D                   | 1986-1993<br>Engine 161A/XUD7         |
| C 15 1.7 D                   | 1994-2001<br>Engine 161A/XUD7         |
| C 15 1.9 D                   | 2001-2005<br>Engine DW8               |
| Berlingo                     |                                       |
| Berlingo 1.1i                | 1996-1998<br>Engine TU1M+             |
| Berlingo 1.1i                | 1999-2001<br>Engine TU1M+             |
| Berlingo 1.4i                | 1996-1999<br>Engine TU3JP             |
| Berlingo 1.4i                | 1999-2008<br>Engine TU3JP             |
| Berlingo 1.4i CNG            | 2005-2008<br>Engine TU3JP             |
| Berlingo 1.6i 16V            | 2001-2008<br>Engine TU5JP4            |
| Berlingo 1.8i                | 1998-1999<br>Engine XU7JB             |
| Berlingo 1.8i                | 1999-2000<br>Engine XU7JB             |
| Berlingo 1.6 HDi (55 kW)     | 2005-2008<br>Engine DV6BUTED4         |
| Berlingo 1.6 HDi (66 kW)     | 2005-2008<br>Engine DV6ATED4          |
| Berlingo 1.8 D               | 1996-1998<br>Engine XUD7              |
| Berlingo 1.9 D               | 1996-1998<br>Engine XUD9              |
| Berlingo 1.9 D               | 1999-2005<br>Engine DW8               |
| Berlingo 2.0 HDi             | 1998-2005<br>Engine DW10TD            |
| C25                          |                                       |
| C 25E 1.8                    | 1987-1988<br>Engine 169B/XM7T         |
| C 25E 2.0 (170B/XN1T)        | 1987-1990<br>Engine 170B/XN1T         |
| C 25E 2.0 (170B/XN1T) 4x4    | 1991-1993<br>Engine 170B/XN1T         |
| C 25E 2.0 (170B/XN1T) 4x4    | 1994-1995<br>Engine 170B/XN1T         |
| C 25E 2.0 (170B/XN1T)        | 1991-1993<br>Engine 170B/XN1T         |
| C 25E 2.0 (170B/XN1T)        | 1994-1995<br>Engine 170B/XN1T         |
| C 25E 2.0 (170C/XN1TA) 4x4   | 1991-1993<br>Engine 170C/XN1TA        |
| C 25E 2.0 (170C/XN1TA) 4x4   | 1994-1995<br>Engine 170C/XN1TA        |
| C 25E 2.0 (170C/XN1TA)       | 1988-1990<br>Engine 170C/XN1TA        |
| C 25E 2.0 (170C/XN1TA)       | 1991-1993<br>Engine 170C/XN1TA        |
| C 25E 2.0 (170C/XN1TA)       | 1994-1995<br>Engine 170C/XN1TA        |
| C 25E 2.0 (170D/XN1TACP)     | 1989-1990<br>Engine 170D/XN1TACP      |
| C 25E 2.0 (170D/XN1TACP) 4x4 | 1991-1993<br>Engine 170D/XN1TACP      |
| C 25E 2.0 (170D/XN1TACP) 4x4 | 1994-1995<br>Engine 170D/XN1TACP      |
| C 25E 2.0 (170D/XN1TACP)     | 1991-1993<br>Engine 170D/XN1TACP      |
| C 25E 2.0 (170D/XN1TACP)     | 1994-1995<br>Engine 170D/XN1TACP      |
| C 25 D 2.0                   | 1988-1990<br>Engine D 9B/XUD 9A       |
| C 25 D 2.0                   | 1991-1995<br>Engine D 9B/XUD 9A       |
| C 25 D 2.0 4x4               | 1989-1990                             |

|                                       |                         |
|---------------------------------------|-------------------------|
|                                       | Engine D 9B/XUD 9A      |
| C 25 D 2.0 4x4                        | 1991-1995               |
|                                       | Engine D 9B/XUD 9A      |
| C 25 D 2.5                            | 1987-1990               |
|                                       | Engine U25/661          |
| C 25 D 2.5                            | 1991-1995               |
|                                       | Engine U25/661          |
| C 25 D 2.5 4x4                        | 1989-1990               |
|                                       | Engine U25/661          |
| C 25 D 2.5 4x4                        | 1991-1995               |
|                                       | Engine U25/661          |
| C 25 2.5 Turbo D                      | 1987-1990               |
|                                       | Engine U25/637          |
| C 25 2.5 Turbo D                      | 1991-1995               |
|                                       | Engine U25/637          |
| C 25 2.5 Turbo D 4x4                  | 1989-1990               |
|                                       | Engine U25/637          |
| C 25 2.5 Turbo D 4x4                  | 1991-1995               |
|                                       | Engine U25/637          |
| C35                                   |                         |
| C 35 RE                               | 1985-1990               |
|                                       | Engine B 20/614         |
| C 35 RD                               | 1985-1990               |
|                                       | Engine B 25/637         |
| Jumpy / Dispatch                      |                         |
| Jumpy / Dispatch 1.6i                 | 1995-2001               |
|                                       | Engine                  |
| Jumpy / Dispatch 2.0i                 | 2001-2007               |
|                                       | Engine EW10J4           |
| Jumpy / Dispatch 1.6 HDi              | 2007-2009               |
|                                       | Engine DV6UTED4 (9HU)   |
| Jumpy / Dispatch 1.9 D                | 1995-2007               |
|                                       | Engine D9B              |
| Jumpy / Dispatch 1.9 TD               | 1995-2000               |
|                                       | Engine D8B              |
| Jumpy / Dispatch 2.0 HDi (69 kW)      | 2000-2007               |
|                                       | Engine                  |
| Jumpy / Dispatch 2.0 HDi (80 kW)      | 2000-2007               |
|                                       | Engine DW10ATED         |
| Jumpy / Dispatch 2.0 HDi (88 kW)      | 2007-2009               |
|                                       | Engine DW10UTED4 (RHK)  |
| Jumpy / Dispatch 2.0 HDi DPF (103 kW) | 2007-2009               |
|                                       | Engine DW10BTED4        |
| Jumper / Relay                        |                         |
| Jumper / Relay 2.0i                   | 1994-1996               |
|                                       | Engine XU10J2U          |
| Jumper / Relay 2.0i                   | 1996-1999               |
|                                       | Engine XU10J2U          |
| Jumper / Relay 2.0i                   | 2000-2002               |
|                                       | Engine XU10J2U          |
| Jumper / Relay 2.0i                   | 2002-2007               |
|                                       | Engine XU10J2U          |
| Jumper / Relay 2.0i 4x4               | 1997-1999               |
|                                       | Engine XU10J2U          |
| Jumper / Relay 2.0i 4x4               | 1999-2002               |
|                                       | Engine XU10J2U          |
| Jumper / Relay 1.9 D                  | 1994-1999               |
|                                       | Engine D9B (XUD9AU)     |
| Jumper / Relay 1.9 D                  | 1999-2002               |
|                                       | Engine D9B (XUD9AU)     |
| Jumper / Relay 1.9 TD                 | 1994-1999               |
|                                       | Engine D8C (XUD9UTF)    |
| Jumper / Relay 1.9 TD                 | 1999-2002               |
|                                       | Engine D8C (XUD9UTF)    |
| Jumper / Relay 2.0 HDi                | 2002-2007               |
|                                       | Engine DW10UTD          |
| Jumper / Relay 2.2 HDi                | 2002-2007               |
|                                       | Engine DW12UTED         |
| Jumper / Relay 2.2 HDi (74 kW)        | 2007-2009               |
|                                       | Engine P22DTE (4HV/4HU) |
| Jumper / Relay 2.2 HDi (88 kW)        | 2007-2009               |
|                                       | Engine P22DTE (4HV/4HU) |
| Jumper / Relay 2.5 D                  | 1994-1999               |
|                                       | Engine T9A (DJ5)        |
| Jumper / Relay 2.5 D                  | 1999-2002               |
|                                       | Engine T9A (DJ5)        |
| Jumper / Relay 2.5 D 4x4              | 1997-1999               |
|                                       | Engine T9A (DJ5)        |
| Jumper / Relay 2.5 D 4x4              | 1999-2002               |
|                                       | Engine T9A (DJ5)        |
| Jumper / Relay 2.5 TD                 | 1994-1997               |
|                                       | Engine T8A (DJ5T)       |

|      |         |  |
|------|---------|--|
|      |         | Jumper / Relay 2.5 TD 4x4 1997-2001<br>Engine T8A (DJ5T)                   |
|      |         | Jumper / Relay 2.5 TDi 1997-2001<br>Engine DJ5TED (THX)                    |
|      |         | Jumper / Relay 2.8 HDi 2002-2007<br>Engine F.28 TDCR                       |
|      |         | Jumper / Relay 2.8 HDi 4x4 2002-2007<br>Engine F.28 TDCR                   |
|      |         | Jumper / Relay 3.0 HDi 2007-2009<br>Engine SOFIM F30DT (Iveco F1 CE 0481D) |
| DAF  | V 400   |  |
|      |         | V400 2.5 D 1987-1989<br>Transmission, manual P 5100                        |
|      |         | V400 2.5 D 1989-1993<br>Transmission, manual P 5100<br>Engine EN           |
|      |         | V400 2.5 TD 1989-1993<br>Transmission, manual P 5100<br>Engine ET          |
| Fiat | Fiorino |  |
|      |         | Fiorino 1.1 1988-1994<br>Engine 146A9.000                                  |
|      |         | Fiorino 1.3 1988-1994<br>Engine 146A5.000                                  |
|      |         | Fiorino 1.4i 1994-1998<br>Engine   |
|      |         | Fiorino 1.5 i.e. 1991-1994<br>Engine 149C1.000                             |
|      |         | Fiorino 1.6i 1994-1998<br>Engine   |
|      |         | Fiorino 1.7D 1988-1994<br>Engine 149B3.000                                 |
|      |         | Fiorino 1.7D 1994-1998<br>Engine 149B4.000                                 |
|      | Doblò   |  |
|      |         | Doblò 1.2 2000-2005<br>Engine 223A5000                                     |
|      |         | Doblò 1.2 8V 2004-2009<br>Engine 223A5000                                  |
|      |         | Doblò 1.4 8V 2004-2009<br>Engine 350A1000                                  |
|      |         | Doblò 1.6 16V 2002-2005<br>Engine 182B6000                                 |
|      |         | Doblò 1.6 16V 2004-2009<br>Engine 182B6000                                 |
|      | Scudo   |  |
|      |         | Scudo 1.6 1996-2001<br>Engine 220A2000                                     |
|      |         | Scudo 2.0 16V 2000-2006<br>Engine CF3                                      |
|      |         | Scudo 1.9 D 1996-1998<br>Engine D9B  |
|      |         | Scudo 1.9 D 1998-1999<br>Engine WJZ  |
|      |         | Scudo 1.9 TD 1996-1998<br>Engine D8B                                       |
|      |         | Scudo 2.0 JTD (69 kW) 1999-2000<br>Engine DW10ATED RHX                     |
|      |         | Scudo 2.0 JTD (80 kW) 1999-2000<br>Engine DW10ATED RHZ                     |
|      |         | Scudo 2.0 JTD 2000-2006<br>Engine RHX                                      |
|      |         | Scudo 2.0 JTD 16V 2003-2006<br>Engine RHW                                  |
|      | Ducato  |  |
|      |         | Ducato 1.8 1982-1990<br>Engine 169B (XM7T)                                 |
|      |         | Ducato 2.0 1982-1990<br>Engine 170B/XN1T                                   |
|      |         | Ducato 2.0 1991-1994<br>Engine 170D/XN1TACP                                |
|      |         | Ducato 2.0 1994-2002<br>Engine RFW   |
|      |         | Ducato 2.0 2002-2004<br>Engine RFL   |
|      |         | Ducato 2.0 2005-2007<br>Engine RFW   |
|      |         | Ducato 2.0 4x4 1996-2002<br>Engine RFW                                     |
|      |         | Ducato 1.9 D 1986-1990   |

|         |                                |                                  |
|---------|--------------------------------|----------------------------------|
|         |                                | Engine 149B1.000                 |
|         | Ducato 1.9 D                   | 1991-1993<br>Engine 149B1.000    |
|         | Ducato 1.9 D                   | 1994-1997<br>Engine 230A2000     |
|         | Ducato 1.9 D                   | 1998-2002<br>Engine              |
|         | Ducato 1.9 TD                  | 1991-1993<br>Engine 280 A1000    |
|         | Ducato 1.9 TD                  | 1994-1997<br>Engine 230A3000     |
|         | Ducato 1.9 TD                  | 1998-2002<br>Engine              |
|         | Ducato 2.0 JTD                 | 2002-2004<br>Engine RHV          |
|         | Ducato 2.0 JTD                 | 2005-2007<br>Engine RHV          |
|         | Ducato 2.3 JTD                 | 2002-2007<br>Engine F1AE0481 C   |
|         | Ducato 2.5 D                   | 1986-1990<br>Engine 8144.67      |
|         | Ducato 2.5 D                   | 1991-1993<br>Engine 8144.67      |
|         | Ducato 2.5 D                   | 1994-2002<br>Engine 8140.67      |
|         | Ducato 2.5 D 4x4               | 1988-1990<br>Engine 8144.67      |
|         | Ducato 2.5 D 4x4               | 1991-1994<br>Engine 8144.67      |
|         | Ducato 2.5 D 4x4               | 1996-2002<br>Engine 8140.67      |
|         | Ducato 2.5 TD                  | 1986-1990<br>Engine 8144.21      |
|         | Ducato 2.5 TD                  | 1991-1994<br>Engine 8140.27      |
|         | Ducato 2.5 TD 4x4              | 1988-1990<br>Engine 8140.27      |
|         | Ducato 2.5 TD 4x4              | 1991-1994<br>Engine 8140.27      |
|         | Ducato 2.5 TDI                 | 1994-2002<br>Engine 8140.47      |
|         | Ducato 2.5 TDI 4x4             | 1996-2002<br>Engine 8140.47      |
|         | Ducato 2.8 D                   | 1998-2002<br>Engine 8140.63      |
|         | Ducato 2.8 D 4x4               | 1998-2002<br>Engine 8140.63      |
|         | Ducato 2.8 TD id               | 1998-2002<br>Engine 8140.43.2200 |
|         | Ducato 2.8 JTD                 | 2002-2007<br>Engine 8140.43S     |
|         | Ducato 2.8 JTD Power           | 2005-2007<br>Engine 8140.43N     |
|         | Strada                         |                                  |
|         | Strada 1.2 8V                  | 1997-2007<br>Engine 223A5000     |
|         | Strada 1.9 D                   | 1997-2005<br>Engine 223A6000     |
|         | Strada 1.9 JTD                 | 2000-2007<br>Engine 188A2000     |
| Ford EU | Escort Van                     |                                  |
|         | Escort Van 1.3                 | 1989-1994<br>Engine HCS          |
|         | Escort Van 1.3i                | 1991-1993<br>Engine HCS/CFI      |
|         | Escort Van 1.3 CFI             | 1995-1999<br>Engine HCS/CFI      |
|         | Escort Van 1.4                 | 1989-1993<br>Engine CVH/2V       |
|         | Escort Van 1.4i                | 1991-1993<br>Engine F6F/F6G      |
|         | Escort Van 1.4 EFi             | 1994-1994<br>Engine F4B1         |
|         | Escort Van 1.4 EFi Celebration | 1995-1999<br>Engine CVH/2V       |
|         | Escort Van 1.6                 | 1990-1993<br>Engine CVH/2V       |
|         | Escort Van 1.8 D               | 1989-1997<br>Engine RT (OHC)     |
|         | Courier                        |                                  |
|         | Courier 1.8 D                  | 1989-2000                        |

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|              |                                     |                                   |
|--------------|-------------------------------------|-----------------------------------|
|              |                                     | Engine RT (OHC)                   |
|              | Courier 1800D                       | 1996-1998                         |
|              |                                     | Engine Endura DE                  |
| P100         |                                     |                                   |
|              | P 100 Pick-up                       | 1988-1992                         |
|              |                                     | Engine NAE                        |
|              | P 100 Pick-up 1.8 Turbo Diesel      | 1988-1992                         |
|              |                                     | Engine RFA                        |
| Transit      |                                     |                                   |
|              | Transit 1.6                         | 1986-1988                         |
|              |                                     | Engine OHC, L..                   |
|              | Transit 2.0                         | 1986-1988                         |
|              |                                     | Engine N..                        |
|              | Transit 2.0                         | 1989-1992                         |
|              |                                     | Engine N..                        |
|              | Transit 2.0                         | 1992-1995                         |
|              |                                     | Engine N..                        |
|              | Transit 2.0 DOHC-8V                 | 1995-1998                         |
|              |                                     | Engine DOHC, N..                  |
|              | Transit 2.9 V6                      | 1986-1992                         |
|              |                                     | Engine B4T                        |
|              | Transit 2.9 V6                      | 1992-1995                         |
|              |                                     | Engine BRT                        |
|              | Transit 3.0 V6                      | 1986-1992                         |
|              |                                     | Engine HXC (Essex)                |
|              | Transit 2.5 Di                      | 1986-1988                         |
|              |                                     | Engine 4..                        |
|              | Transit 2.5 Di                      | 1989-1995                         |
|              |                                     | Engine 4..                        |
|              | Transit 2.5 Di                      | 1995-1998                         |
|              |                                     | Engine 4G                         |
|              | Transit 2.5 Di                      | 1998-2000                         |
|              |                                     | Engine 4G                         |
|              | Transit 2.5 TDi                     | 1986-1995                         |
|              |                                     | Engine 4..                        |
|              | Transit 2.5 TDi                     | 1995-1998                         |
|              |                                     | Engine 4..                        |
|              | Transit 2.5 TDi                     | 1998-2000                         |
|              |                                     | Engine TDE                        |
| Freightliner |                                     |                                   |
|              | Sprinter                            |                                   |
|              | Sprinter 2500 CDI                   | 2003-2006                         |
|              |                                     | Engine Mercedes-Benz OM612 DE27LA |
|              | Sprinter 3500 CDI                   | 2003-2006                         |
|              |                                     | Engine Mercedes-Benz OM612 DE27LA |
| GAZ          |                                     |                                   |
|              | GAZelle                             |                                   |
|              | 2705 (4x2)                          | ZMZ-402 1994-2010                 |
|              |                                     | Engine ZMZ-402                    |
|              | 2705 (4x2)                          | ZMZ-406 1994-2010                 |
|              |                                     | Engine ZMZ-406                    |
|              | 2705 (4x4)                          | ZMZ-406 1994-2010                 |
|              |                                     | Engine ZMZ-406                    |
|              | 2705 (4x2)                          | ZMZ-4215 1994-2010                |
|              |                                     | Engine UMZ-4215(C)                |
|              | 3302 / 33021 / 33023 (4x2)          | ZMZ-402 1994-2010                 |
|              |                                     | Engine ZMZ-402                    |
|              | 3302 / 33021 / 33023 (4x2)          | ZMZ-406 1994-2010                 |
|              |                                     | Engine ZMZ-406                    |
|              | 3302 / 33021 / 33023 (4x2)          | ZMZ-4215 1994-2010                |
|              |                                     | Engine UMZ-4215(C)                |
|              | 3221 / 32212 / 32213 / 322132 (4x2) | ZMZ-402 1994-2010                 |
|              |                                     | Engine ZMZ-402                    |
|              | 3221 / 32212 / 32213 / 322132 (4x2) | ZMZ-406 1994-2010                 |
|              |                                     | Engine ZMZ-406                    |
|              | 3221 / 32212 / 32213 / 322132 (4x2) | ZMZ-4215 1994-2010                |
|              |                                     | Engine UMZ-4215(C)                |
| Hyundai      |                                     |                                   |
|              | H 100                               |                                   |
|              | H 100 2.4                           | 1993-2000                         |
|              |                                     | Engine G4CS                       |
|              | H 100                               |                                   |
|              | H 100 2.5 CRDi WGT                  | 2012-                             |
|              |                                     | Engine A2.5                       |
|              | H-1 / Starex / Montana              |                                   |
|              | H-1 / Starex 2.4                    | 1997-2003                         |
|              |                                     | Engine G4CS                       |
|              | H-1 / Starex 2.4                    | 2003-2005                         |
|              |                                     | Engine G4JS                       |
|              | H-1 / Starex 2.4                    | 2005-2007                         |
|              |                                     | Engine G4JS                       |
|              | H-1 / Starex 2.5 CRDi               | 2002-2007                         |

|                              |  |
|------------------------------|--|
|                              | Engine D4CB  |
|                              | H-1 / Starex 2.5 CRDi 4x4 2002-2007                |
|                              | Engine D4CB  |
| H-1 / Grand Starex / Montana |  |
|                              | H-1 / Grand Starex 2.4 MPI 2007-2009               |
|                              | Engine   |
|                              | H-1 / Grand Starex 2.5 CRDi WGT (85 kW) 2007-2009  |
|                              | Engine A2.5  |
|                              | H-1 / Grand Starex 2.5 CRDi WGT (85 kW) 2009-      |
|                              | Engine A2.5  |
|                              | H-1 / Grand Starex 2.5 CRDi WGT (100 kW) 2007-2009 |
|                              | Engine A2.5  |
|                              | H-1 / Grand Starex 2.5 CRDi WGT (100 kW) 2009-     |
|                              | Engine A2.5  |
|                              | H-1 / Grand Starex 2.5 CRDi VGT (125 kW) 2007-2009 |
|                              | Engine A2.5  |
|                              | H-1 / Grand Starex 2.5 CRDi VGT (125 kW) 2009-     |
|                              | Engine A2.5  |
| H 200                        |  |
|                              | H 200 2.4 1997-2003                                |
|                              | Engine G4CS  |
|                              | H 200 2.4 2003-2005                                |
|                              | Engine G4JS  |
|                              | H 200 2.4 2005-2007                                |
|                              | Engine G4JS  |
|                              | H 200 2.5 CRDi 2002-2007                           |
|                              | Engine D4CB  |
|                              | H 200 2.5 CRDi 4x4 2002-2007                       |
|                              | Engine D4CB  |
| H 300                        |  |
|                              | H 300 2.4 MPI 2007-2009                            |
|                              | Engine   |
|                              | H 300 2.5 CRDi WGT (85 kW) 2007-2009               |
|                              | Engine A2.5  |
|                              | H 300 2.5 CRDi WGT (85 kW) 2009-                   |
|                              | Engine A2.5  |
|                              | H 300 2.5 CRDi WGT (100 kW) 2007-2009              |
|                              | Engine A2.5  |
|                              | H 300 2.5 CRDi WGT (100 kW) 2009-                  |
|                              | Engine A2.5  |
|                              | H 300 2.5 CRDi VGT (125 kW) 2007-2009              |
|                              | Engine A2.5  |
|                              | H 300 2.5 CRDi VGT (125 kW) 2009-                  |
|                              | Engine A2.5  |
| Tucson                       |  |
|                              | Tucson 2.0 CRDi 16V 2004-                          |
|                              | Engine D4EA  |
| Trajet                       |  |
|                              | Trajet 2.0 CRDi 16V 2002-                          |
|                              | Engine D4EA  |
|                              | Trajet 2.0i 16V 2000-                              |
|                              | Engine   |
|                              | Trajet 2.7i 24V 2000-                              |
|                              | Engine   |
| Santa Fe                     |  |
|                              | Santa Fe 2.7i V6 24V 4WD 2000-2005                 |
|                              | Engine   |
| Isuzu                        |  |
| D-Max / Rodeo                |  |
|                              | D-Max / Rodeo 2.4 RWD 2003-2006                    |
|                              | Engine C24SE                                       |
|                              | Transmission, manual                               |
|                              | D-Max / Rodeo 2.4 AWD 2003-2006                    |
|                              | Engine C24SE                                       |
|                              | Transmission, manual                               |
|                              | Transferbox  |
|                              | D-Max / Rodeo 3.5 V6 RWD 2003-2006                 |
|                              | Engine 6VE1  |
|                              | Transmission, manual                               |
|                              | D-Max / Rodeo 3.5 V6 AWD 2003-2006                 |
|                              | Transmission, manual                               |
|                              | Engine 6VE1  |
|                              | Transferbox  |
|                              | D-Max / Rodeo 2.5 TD RWD 2003-2006                 |
|                              | Transmission, manual                               |
|                              | Engine 4JA1T                                       |
|                              | D-Max / Rodeo 2.5 TDi RWD 2003-2006                |
|                              | Engine 4JA1TC                                      |
|                              | Transmission, manual                               |
|                              | D-Max / Rodeo 2.5 TD RWD 2006-2012                 |
|                              | Engine 4JK1-TC                                     |
|                              | Transmission, manual                               |

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|            |                |  |
|------------|----------------|--|
|            |                | D-Max / Rodeo 2.5 TDi AWD 2003-2006<br>Transmission, manual<br>Engine 4JA1TC<br>Transferbox  |
|            |                | D-Max / Rodeo 2.5 TD AWD 2006-2012<br>Engine 4JK1-TC<br>Transmission, manual                 |
|            |                | D-Max / Rodeo 3.0 TDi AWD 2003-2006<br>Transmission, manual<br>Engine 4JH1-TC<br>Transferbox |
|            |                | D-Max / Rodeo 3.0 TD AWD 2006-2012<br>Engine 4JJ1-TC<br>Transmission, manual                 |
|            | N-Series       |  |
|            |                | NKR 2006-<br>Transmission, manual MYY5T  |
|            |                | NLR 2006-<br>Transmission, manual MYY5T  |
|            |                | NMR 2006-<br>Transmission, manual MYY5T  |
|            |                | NNR 2006-<br>Transmission, manual MYY5T  |
|            |                | NPR 2006-<br>Transmission, manual MYY5T  |
| Iveco      |                |  |
|            | Daily CNG      |  |
|            |                | Daily CNG 1998-2005<br>Engine 8149.03  |
| Jeep       |                |  |
|            | Wrangler       |  |
|            |                | Wrangler 2.5i 1994-1997<br>Engine (150 ci)   |
|            |                | Wrangler 4.0i 1994-1997<br>Engine  |
|            | Cherokee       |  |
|            |                | Cherokee 2.5i XJ 1987-2000<br>Engine (150 ci)  |
|            |                | Cherokee 4.0i XJ 1987-2000<br>Engine   |
|            |                | Cherokee 2.5 TD XJ 1995-2001<br>Engine   |
|            | Grand Cherokee |  |
|            |                | Grand Cherokee 4.0 ZJ 1992-1998<br>Engine  |
|            |                | Grand Cherokee 5.2 V8 ZJ 1992-1998<br>Engine   |
|            |                | Grand Cherokee 5.9 V8 ZJ 1998-1999<br>Engine   |
|            |                | Grand Cherokee 2.5 TD ZJ 1992-1998<br>Engine   |
|            | Grand Cherokee |  |
|            |                | Grand Cherokee 4.0 WJ 1999-2005<br>Engine  |
|            |                | Grand Cherokee 3.1 TD WJ 1999-2001<br>Engine   |
| Kia        |                |  |
|            | Clarus         |  |
|            |                | Clarus 2.0 16V (Parktown) 1996-2001<br>Engine  |
|            | Carens         |  |
|            |                | Carens 2.0 CRDi 2002-2006<br>Engine 2.0 CRDi   |
|            | Sportage       |  |
|            |                | Sportage 2.0 2004-<br>Engine G4GC  |
|            | Sorento        |  |
|            |                | Sorento 2.4 2002-<br>Engine 2.4 DOHC   |
|            |                | Sorento 2.5 CRDi 2002-<br>Engine D4CB  |
| Land Rover |                |  |
|            | Freelander 1   |  |
|            |                | Freelander 1.8 i 1997-2007<br>Engine K Series  |
|            |                | Freelander 2.5i V6 2001-2007<br>Engine KV6   |
|            |                | Freelander 2.0 di 1997-2001<br>Engine L  |
|            |                | Freelander 2.0 Td4 2001-2007<br>Engine M47R  |
|            | Discovery 1    |  |



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|                      |   |
|----------------------|---|
|                      | Discovery 2.0 16V 1993-1998                 |
|                      | Engine T16                                  |
|                      | Discovery 3.5 V8 1989-1990                  |
|                      | Engine                                      |
|                      | Discovery 3.5 V8i 1990-1993                 |
|                      | Engine                                      |
|                      | Discovery 3.9 V8 1989-1995                  |
|                      | Engine                                      |
|                      | Discovery 4.0 V8i 1993-1998                 |
|                      | Engine                                      |
| Discovery 2          | Discovery 4.0 V8i 1998-2005                 |
|                      | Engine                                      |
|                      | Discovery 4.6 V8i 1998-2002                 |
|                      | Engine                                      |
| LDV                  |   |
| Pilot/V200           |   |
|                      | V200 2.0 1989-1995                          |
|                      | Engine                                      |
|                      | Carburettor damper                          |
| Pilot Diesel/V200    |   |
|                      | V200 1.9 D 1989-1995                        |
|                      | Engine XUD9A                                |
|                      | Pilot 1.9 d 1995-2001                       |
|                      | Engine XUD9A                                |
| Convoy / V400        |   |
|                      | V400 3.5 1989-1999                          |
|                      | Engine                                      |
|                      | Transmission, manual P 5100                 |
|                      | Carburettor damper                          |
| Convoy Diesel / V400 |   |
|                      | V400 2.5 D 1989-1996                        |
|                      | Transmission, manual P 5100                 |
|                      | V400 2.5 TD 1989-1996                       |
|                      | Transmission, manual P 5100                 |
|                      | Convoy 2.5 TDi 1997-2001                    |
|                      | Engine                                      |
|                      | Convoy 2.5 Di 1997-2001                     |
|                      | Engine                                      |
| Cub                  |   |
|                      | Cub 1.6 16V 1995-1998                       |
|                      | Engine                                      |
|                      | Cub 2.3 Diesel 1995-1997                    |
|                      | Engine                                      |
| LD100                |   |
|                      | LD100 CRD Van 70 kW (<2.8T GVW) 2005-2009   |
|                      | Engine VM R2516L                            |
|                      | LD100 CRD Van 70 kW (<3.5T GVW) 2005-2009   |
|                      | Engine VM R2516L                            |
|                      | LD100 CRD Kombi 70 kW (<2.8T GVW) 2005-2009 |
|                      | Engine VM R2516L                            |
|                      | LD100 CRD Kombi 70 kW (<3.5T GVW) 2005-2009 |
|                      | Engine VM R2516L                            |
|                      | LD100 CRD Van 88 kW (<2.8T GVW) 2005-2009   |
|                      | Engine VM R2516L                            |
|                      | LD100 CRD Van 88 kW (<3.5T GVW) 2005-2009   |
|                      | Engine VM R2516L                            |
|                      | LD100 CRD Kombi 88 kW (<2.8T GVW) 2005-2009 |
|                      | Engine VM R2516L                            |
|                      | LD100 CRD Kombi 88 kW (<3.5T GVW) 2005-2009 |
|                      | Engine VM R2516L                            |
| Maxus                |   |
|                      | Maxus Van 70 kW (<2.8T GVW) 2005-2009       |
|                      | Engine VM R2516L                            |
|                      | Maxus Van 70 kW (<3.5T GVW) 2005-2009       |
|                      | Engine VM R2516L                            |
|                      | Maxus Kombi 70 kW (<2.8T GVW) 2005-2009     |
|                      | Engine VM R2516L                            |
|                      | Maxus Kombi 70 kW (<3.5T GVW) 2005-2009     |
|                      | Engine VM R2516L                            |
|                      | Maxus Van 88 kW (<2.8T GVW) 2005-2009       |
|                      | Engine VM R2516L                            |
|                      | Maxus Van 88 kW (<3.5T GVW) 2005-2009       |
|                      | Engine VM R2516L                            |
|                      | Maxus Kombi 88 kW (<2.8T GVW) 2005-2009     |
|                      | Engine VM R2516L                            |
|                      | Maxus Kombi 88 kW (<3.5T GVW) 2005-2009     |
|                      | Engine VM R2516L                            |
| Leyland DAF          |   |
| 200                  |   |
|                      | V200 1.7 1989-1992                          |
|                      | Engine                                      |

|               |                         |  |
|---------------|-------------------------|--|
|               |                         | Carburettor damper                             |
|               | V200 2.0                | 1989-1999<br>Engine                            |
|               |                         | Carburettor damper                             |
|               | V200 1.9 D              | 1989-1999<br>Engine XUD9A                      |
|               | V200 2.0 Di             | 1989-1994<br>Engine                            |
| 400           |                         |  |
|               | V400 2.0                | 1989-1992<br>Engine                            |
|               |                         | Carburettor damper                             |
|               | V400 3.5                | 1989-1999<br>Engine                            |
|               |                         | Transmission, manual P 5100                    |
|               |                         | Carburettor damper                             |
|               | V400 2.5 D              | 1989-1996<br>Transmission, manual P 5100       |
|               | V400 2.5 TD             | 1989-1996<br>Transmission, manual P 5100       |
| Mazda         |                         |  |
|               | E                       |  |
|               | E1800                   | 1984-1987<br>Engine F8                         |
|               | E2000                   | 1984-1999<br>Engine FE                         |
|               | E2000 4x4               | 1987-1999<br>Engine FE                         |
|               | B                       |  |
|               | B1600                   | 1985-1986<br>Engine F6                         |
|               | B2000                   | 1984-1994<br>Engine FE                         |
|               | B2600 4x4               | 1985-1998<br>Engine                            |
|               | B2600 2WD               | 1999-2006<br>Engine G6                         |
|               | B2600 4WD               | 1998-1999<br>Engine G6                         |
|               | B2600 4WD               | 1999-2006<br>Engine G6                         |
|               | BT-50                   |  |
|               | BT-50 2.2 TDCi          | 2011-<br>Engine MZ-CD 2.2                      |
|               | BT-50 3.2 TDCi          | 2011-<br>Engine MZ-CD 3.2                      |
|               | BT-50 3.2 TDCi 4x4      | 2011-<br>Engine MZ-CD 3.2                      |
| Mercedes-Benz |                         |  |
|               | MB 100 D                |  |
|               | MB 100 D                | 1988-1995<br>Engine Mercedes-Benz OM616        |
|               | Vito/V-Class            |  |
|               | Vito 113                | 1996-1998<br>Engine M 111 E20                  |
|               | Vito 113                | 1999-2003<br>Engine M 111 E20                  |
|               | V 230                   | 1999-2003<br>Engine M 111 E23                  |
|               | V 280                   | 1999-2003<br>Engine M 104.900                  |
|               | Vito 108 D              | 1996-1998<br>Engine Mercedes-Benz OM601 D23    |
|               | Vito 108 CDI            | 1999-2003<br>Engine Mercedes-Benz OM601 DE22A  |
|               | Vito 110 D              | 1996-1998<br>Engine Mercedes-Benz OM601 D23LA  |
|               | Vito 110 CDI / V200 CDI | 1999-2003<br>Engine Mercedes-Benz OM611 DE22LA |
|               | Vito 112 CDI / V220 CDI | 1999-2003<br>Engine Mercedes-Benz OM611 DE22LA |
|               | Vito                    |  |
|               | Vito 119                | 2003-2004<br>Engine 112.951                    |
|               | Vito 119                | 2005-2007<br>Engine 112.951                    |
|               | Vito 122                | 2003-2004<br>Engine 112.951                    |
|               | Vito 122                | 2005-2007<br>Engine 112.951                    |
|               | Vito 123                | 2005-2007<br>Engine Mercedes-Benz M 112 E37    |

## Viano

Viano 3.0 2003-2009  
 Engine 112.951  
 Viano 3.2 2003-2005  
 Engine 112.951  
 Viano 3.5 2005-2007  
 Engine Mercedes-Benz M 112 E37

## Transporter

210 (601) 1982-1995  
 Engine M 102  
 310 (602) 1982-1995  
 Engine M 102  
 410 (611) 1982-1995  
 Engine M 102  
 L 410 (309) 1982-1987  
 Engine M 102  
 510 (667) 1982-1995  
 Engine M 102  
 207 D (601) 1978-1989  
 Engine Mercedes-Benz OM616  
 208 D (601.3) 1989-1995  
 Engine Mercedes-Benz OM601  
 209 D (601) 1982-1989  
 Engine Mercedes-Benz OM617  
 210 D (601.4) 1989-1995  
 Engine Mercedes-Benz OM602  
 307 D (602) 1978-1989  
 Engine Mercedes-Benz OM616  
 308 D (602.3) 1989-1995  
 Engine Mercedes-Benz OM601  
 309 D (602) 1982-1989  
 Engine Mercedes-Benz OM617  
 310 D (602.4) 1989-1995  
 Engine Mercedes-Benz OM602  
 407 D (611) 1978-1989  
 Engine Mercedes-Benz OM616  
 L 407 D (309) 1983-1986  
 Engine Mercedes-Benz OM616/OM 615  
 408 D (611.3) 1989-1995  
 Engine Mercedes-Benz OM601  
 409 D (611) 1982-1989  
 Engine Mercedes-Benz OM617  
 410 D (611.4) 1989-1995  
 Engine Mercedes-Benz OM602  
 507 D (667) 1978-1989  
 Engine Mercedes-Benz OM616  
 508 D (667.3) 1989-1995  
 Engine Mercedes-Benz OM601

## Sprinter

Sprinter 214 (901/902 ) 1994-2000  
 Engine M 111 E23  
 Sprinter 214 (901/902 ) 2000-2006  
 Engine M 111 E23  
 Sprinter 208 D (901/902) 1994-1999  
 Engine Mercedes-Benz OM601 D23  
 Sprinter 208 CDI (901/902) 2000-2006  
 Engine Mercedes-Benz OM611 DE22LA  
 Sprinter 210 D (901/902) 1996-2000  
 Engine Mercedes-Benz OM602 DE29LA  
 Sprinter 211 CDI (901/902) 2000-2006  
 Engine Mercedes-Benz OM611 DE22LA  
 Sprinter 212 D (901/902) 1994-2000  
 Engine Mercedes-Benz OM602 DE29LA  
 Sprinter 213 CDI (901/902) 2000-2006  
 Engine Mercedes-Benz OM611 DE22LA  
 Sprinter 216 CDI (901/902) 2000-2006  
 Engine Mercedes-Benz OM612 DE27LA

## Sprinter

Sprinter 308 D (903) 1994-2000  
 Engine Mercedes-Benz OM601 D23  
 Sprinter 308 CDI (903) 2000-2006  
 Engine Mercedes-Benz OM611 DE22LA  
 Sprinter 310 D, 4x2/4x4 (903) 1996-2000  
 Engine Mercedes-Benz OM602 DE29LA  
 Sprinter 311 CDI (903) 2000-2006  
 Engine Mercedes-Benz OM611 DE22LA  
 Sprinter 311 CDI 4x4 (903) 2000-2006  
 Engine Mercedes-Benz OM611 DE22LA  
 Sprinter 312 D, 4x2/4x4 (903) 1994-2000  
 Engine Mercedes-Benz OM602 DE29LA  
 Sprinter 313 CDI (903) 2000-2006  
 Engine Mercedes-Benz OM611 DE22LA

|            |          |   |
|------------|----------|---|
|            |          | Sprinter 313 CDI 4x4 (903) 2000-2006<br>Engine Mercedes-Benz OM611 DE22LA                                   |
|            |          | Sprinter 314, 4x4 (903) 1994-2000<br>Engine M 111 E23   |
|            |          | Sprinter 314, 4x4 (903) 2000-2006<br>Engine M 111 E23   |
|            |          | Sprinter 316 CDI (903) 2000-2006<br>Engine Mercedes-Benz OM612 DE27LA                                       |
|            |          | Sprinter 316 CDI 4x4 (903) 2000-2006<br>Engine Mercedes-Benz OM612 DE27LA                                   |
|            | Sprinter | Sprinter 408 D 904 1994-2000<br>Engine Mercedes-Benz OM601 D23  |
|            |          | Sprinter 408 CDI 904 2000-2006<br>Engine Mercedes-Benz OM611 DE22LA   |
|            |          | Sprinter 410 D 904 1996-2000<br>Engine Mercedes-Benz OM602 DE29LA   |
|            |          | Sprinter 411 CDI 904 2000-2006<br>Engine Mercedes-Benz OM611 DE22LA   |
|            |          | Sprinter 411 CDI 4x4 904 2000-2006<br>Engine Mercedes-Benz OM611 DE22LA                                     |
|            |          | Sprinter 412 D 904 1994-2000<br>Engine Mercedes-Benz OM602 DE29LA   |
|            |          | Sprinter 413 CDI 904 2000-2006<br>Engine Mercedes-Benz OM611 DE22LA   |
|            |          | Sprinter 414 904 1994-2006<br>Engine M 111 E23  |
|            |          | Sprinter 414 4x4 904 2000-2006<br>Engine M 111 E23  |
|            |          | Sprinter 416 CDI 904 2000-2006<br>Engine Mercedes-Benz OM612 DE27LA   |
|            |          | Sprinter 512 D (904) 904 1994-1999<br>Engine Mercedes-Benz OM602 DE29LA                                     |
|            |          | Sprinter 616 CDI (905) Euro III 2001-2006<br>Engine Mercedes-Benz OM612 DE27LA                              |
|            |          | Sprinter CDI SPRINTSHIFT 208/308/408/211/311/411/213/313/413 2000-2006<br>Engine Mercedes-Benz OM611 DE22LA |
| Mitsubishi |          |   |
|            | L200     | L200 1.6 1987-1990<br>Engine 4G32   |
|            |          | L200 2.0 1987-1992<br>Engine 4G63   |
|            |          | L200 2.0i 1997-2006<br>Engine 4G63  |
|            |          | L200 2.0 4WD 1987-1992<br>Engine 4G63   |
|            |          | L200 2.4 4WD 1997-2006<br>Engine 4G64   |
|            |          | L200 2.5 TD 4WD 1996-1996<br>Engine 4D56  |
|            |          | L200 2.5 DI-D 4x2 2006-2009<br>Engine 4D56  |
|            |          | L200 2.5 DI-D 4x4 2006-2009<br>Engine 4D56  |
|            |          | L200 2.5 DI-D 4x2 (94 kW) 2009-<br>Engine 4D56  |
|            |          | L200 2.5 DI-D 4x4 (94 kW) 2009-<br>Engine 4D56  |
|            |          | L200 2.5 DI-D 4x2 (100 kW) 2009-<br>Engine 4D56   |
|            |          | L200 2.5 DI-D 4x4 (100 kW) 2009-<br>Engine 4D56   |
|            |          | L200 2.5 DI-D 4x2 (131 kW) 2009-<br>Engine 4D56   |
|            |          | L200 2.5 DI-D 4x2 (131 kW) DPF 2009-<br>Engine 4D56   |
|            |          | L200 2.5 DI-D 4x4 (131 kW) 2009-<br>Engine 4D56   |
|            | L300     | L300 1.6 1987-1990<br>Engine 4G32   |
|            |          | L300 1.6 1990-1996<br>Engine 4G32   |
|            |          | L300 2.0 1987-1992<br>Engine 4G32   |
|            |          | L300 2.0 RWD/4WD 1993-2006<br>Engine 4G63   |
|            |          | L300 2.0 4WD 1987-1992<br>Engine 4G32   |
|            |          | L300 2.0 16V RWD/4WD 1996-2006<br>Engine 4G63   |

# Lubricant Report

|                   |   |
|-------------------|---|
|                   | L300 2.4 RWD/4WD 1996-2006<br>Engine 4G64             |
|                   | L300 2.4 16V RWD/4WD 1996-2006<br>Engine 4G64         |
| L400              | L400 2.0i 1997-2001<br>Engine 4G63                    |
|                   | L400 2.4 1997-2001<br>Engine 4G64                     |
| Nissan            |   |
| Cabstar           | Cabstar 1.6 (F22) 1989-1992<br>Engine Z16S            |
|                   | Cabstar 2.0 (F22) 1989-1992<br>Engine Z 20S           |
|                   | Cabstar 2.0 (F23) 1993-2002<br>Engine NA20S           |
| King Cab / Navara | King Cab / Navara 2.4i 2WD 2002-2005<br>Engine KA24DE |
|                   | King Cab / Navara 2.4i 4WD 2002-2005<br>Engine KA24DE |
| Kubistar          | Kubistar 1.2 2003-<br>Engine D7F                      |
|                   | Kubistar 1.6 16V 2003-<br>Engine K4M                  |
|                   | Kubistar 1.5 dCi (42 kW) 2003-<br>Engine K9K          |
|                   | Kubistar 1.5 dCi (48 kW) 2003-<br>Engine K9K          |
|                   | Kubistar 1.5 dCi (60 kW) 2003-<br>Engine K9K          |
| NV200             | NV200 1.6 2009-<br>Engine HR16DE                      |
| Interstar         | Interstar 1.9 dCi 2002-2004<br>Engine F9Q             |
|                   | Interstar 2.2 dCi 2002-2004<br>Engine G9T             |
|                   | Interstar 2.5 dCi 2002-2006<br>Engine G9U             |
|                   | Interstar 2.5 dCi 2004-2006<br>Engine G9U             |
| Pickup / Wagon    | Pick-Up 2.4 2WD/4WD 1996-2002<br>Engine KA 24E        |
|                   | Wagon 3.0 4WD 1987-1994<br>Engine VG30E               |
| Pickup / Navara   | Pickup / Navara 2.4i 2WD 1998-2002<br>Engine KA 24E   |
|                   | Pickup / Navara 2.4i 4WD 1998-2002<br>Engine KA 24E   |
|                   | Pickup / Navara 2.4i 2WD 2002-2007<br>Engine KA24DE   |
|                   | Pickup / Navara 2.4i 4WD 2002-2007<br>Engine KA24DE   |
| NP300 Pickup      | NP300 Pickup 2.5 DDTI 4WD 2007-<br>Engine YD25DDTi    |
| Navara            | Navara 2.5 dCi (140 kW) 2WD 2010-<br>Engine YD25DDTi  |
|                   | Navara 2.5 dCi (140 kW) 4WD 2010-<br>Engine YD25DDTi  |
| Primastar         | Primastar 2.0 16V 2002-2007<br>Engine F4R             |
|                   | Primastar 2.0 16V 2007-2011<br>Engine F4R             |
|                   | Primastar 1.9 dCi 60 kW 2002-2007<br>Engine F9Q       |
|                   | Primastar 1.9 dCi 74 kW 2002-2007<br>Engine F9Q       |
|                   | Primastar 2.0 dCi 90 2009-<br>Engine M9R              |
|                   | Primastar 2.0 dCi 115 2009-<br>Engine M9R             |
|                   | Primastar 2.5 dCi 2003-2007<br>Engine G9U 730         |

# Lubricant Report



|      |             |   |
|------|-------------|---|
|      | Q-bic       | Q-bic 1.6 (Y10) 1992-1996<br>Engine GA16DS                  |
|      |             | Q-bic 1.6i (Y10) 1992-1996<br>Engine GA16DE                 |
|      | Sunny Wagon | Sunny Wagon 1.6 (Y10) 1990-1995<br>Engine GA16DE            |
|      |             | Sunny Wagon 1.6 4x4 (Y10) 1990-1995<br>Engine GA16DE        |
|      | Urvan       | Urvan 2.0 (E 24) 1989-2001<br>Engine Z20S                   |
|      | Vanette     | Vanette 1.6 16V 1996-2002<br>Engine GA16DE                  |
|      |             | Vanette 2.3D (C23) 1995-2002<br>Engine LD23                 |
|      | Patrol      | Patrol 5.6 V8 (236 kW) 2010-<br>Engine VK56DE               |
|      |             | Patrol 5.6 V8 (298 kW) 2010-<br>Engine VK56VD               |
|      | Terrano II  | Terrano II 2.4 1994-1996<br>Engine KA 24E                   |
|      |             | Terrano II 2.7 TD 1992-1996<br>Engine TD 27T                |
|      |             | Terrano II 2.7 TD 1997-2000<br>Engine TD 27Ti               |
|      |             | Terrano II 2.7 TD 2000-2007<br>Engine TD 27Ti               |
|      |             | Terrano II 3.0 Di 2002-2007<br>Engine ZD30DDTi              |
|      | Patrol      | Patrol R 4.2 Y60 1992-1997<br>Engine                        |
|      |             | Patrol GR 4.2 Y60 1992-1997<br>Engine                       |
|      |             | Patrol R 2.8 D (Y60) 1983-1990<br>Engine                    |
|      |             | Patrol GR 2.8 TD Y60 1988-1997<br>Engine                    |
|      |             | Patrol GR 2.8 TDi Y61 1998-2000<br>Engine RD28ET            |
|      |             | Patrol GR 3.0 Di Y61 2000-2004<br>Engine ZD30DDTi           |
|      |             | Patrol GR 3.0 Di Y61 2004-<br>Engine ZD30DDTi               |
|      |             | Patrol R 4.2 D Y60 1992-1995<br>Engine                      |
| Opel | Combo A     | Combo 1.3 1986-1989<br>Engine 13N, 13NB                     |
|      |             | Combo 1.4i 1991-1993<br>Engine C14NZ                        |
|      |             | Combo 1.6 1986-1990<br>Engine 16SV                          |
|      |             | Combo 1.6i 1991-1993<br>Engine C16LZ                        |
|      |             | Combo 1.6 D 1986-1989<br>Engine 16DA                        |
|      |             | Combo 1.7 D 1989-1993<br>Engine 17 D                        |
|      | Combo B     | Combo 1.2i 1993-1996<br>Engine C12NZ                        |
|      |             | Combo 1.4i 1993-1996<br>Engine C14SE<br>Engine C14NZ, X14SZ |
|      |             | Combo 1.4 1996-2001<br>Engine X14SZ                         |
|      |             | Combo 1.7 D 1993-1996<br>Engine 4EE1, X17D                  |
|      |             | Combo 1.7 D 1996-2001<br>Engine X17D (4EE1)                 |
|      | Combo C     | Combo 1.6 2001-2004<br>Engine Z16SE                         |
|      |             | Combo 1.7 DI 16V 2001-2004<br>Engine Y17DTL                 |

|          |   |
|----------|---|
|          | Combo 1.7 DTI 16V 2001-2004<br>Engine Y17DT                                   |
| Campo    | Campo 2.3 (4x2) 1991-1994<br>Transmission, manual<br>Engine 4ZD1              |
|          | Campo 2.3 (4x4) 1991-1994<br>Transmission, manual/transferbox<br>Engine 4ZD1  |
|          | Campo 2.3i (4x2) 1995-1999<br>Transmission, manual<br>Engine 4ZD1             |
|          | Campo 2.3i (4x4) 1995-1999<br>Transmission, manual/transferbox<br>Engine 4ZD1 |
|          | Campo 2.5 D (4x2) 1991-1994<br>Transmission, manual                           |
|          | Campo 2.5 D (4x4) 1991-1994<br>Transmission, manual/transferbox               |
|          | Campo 2.5 TD (4x2) 1995-1999<br>Transmission, manual                          |
|          | Campo 2.5 TD (4x4) 1995-1999<br>Transmission, manual/transferbox              |
|          | Campo 3.1 TD (4x2) 1993-1999<br>Transmission, manual                          |
|          | Campo 3.1 TD (4x4) 1993-1999<br>Transmission, manual<br>Transferbox           |
| Vivaro   | Vivaro 2.0 16V 2001-2007<br>Engine F4R720                                     |
|          | Vivaro 2.5 DTI 2003-2006<br>Engine G9U 730                                    |
|          | Vivaro 2.5 DTI Tecshift 2005-2006<br>Engine G9U 730                           |
| Arena    | Arena 1.9 D 1999-1999<br>Engine F8Q   |
|          | Arena 2.5 D 1999-1999<br>Engine S8U   |
| Movano A | Movano 1.9 DTI 2000-2001<br>Engine F9QT 770                                   |
|          | Movano 1.9 DTI 2002-2003<br>Engine F9Q 772                                    |
|          | Movano 1.9 DTI 2004-2005<br>Engine F9Q 774                                    |
|          | Movano 1.9 CDTI 2005-2006<br>Engine F9Q 774                                   |
|          | Movano 2.2 DTi 2001-2004<br>Engine G9T 720                                    |
|          | Movano 2.2 CDTI 2004-2006<br>Engine G9T 750                                   |
|          | Movano 2.5 D 2000-2002<br>Engine S8U-770                                      |
|          | Movano 2.5 DTI 2002-2004<br>Engine G9U 720                                    |
|          | Movano 2.5 CDTI (74 kW) 2004-2006<br>Engine G9U 754                           |
|          | Movano 2.5 CDTI (74 kW) Tecshift 2005-2006<br>Engine G9U 750                  |
|          | Movano 2.5 CDTI (84 kW) 2004-2006<br>Engine G9U 754                           |
|          | Movano 2.5 CDTI (84 kW) Tecshift 2005-2006<br>Engine G9U 750                  |
|          | Movano 2.8 DTi 2000-2002<br>Engine S9W-702                                    |
|          | Movano 3.0 CDTI 2004-2006<br>Engine ZD3                                       |
| Peugeot  |   |
| J5       | J5 1.8 (1000, 1400, 1800) 1987-1990<br>Engine XM7T/169B                       |
|          | J5 2.0 (1000, 1400, 1800) 1987-1990<br>Engine                                 |
|          | J5 2.0 (1000, 1400, 1800) 1991-1994<br>Engine                                 |
|          | J5 1.9 D (800, 1000, 1400, 1800) 1988-1991<br>Engine XUD9A (D 9B)             |
|          | J5 1.9 D (800, 1000, 1400, 1800) 1991-1994<br>Engine XUD9A (D 9B)             |
|          | J5 1.9 D 4x4 (800, 1000, 1400, 1800) 1987-1991                                |

|         |  |
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|         | Engine XUD9A (D 9B)                                  |
|         | J5 1.9 D 4x4 (800, 1000, 1400, 1800) 1991-1994       |
|         | Engine XUD9A (D 9B)                                  |
|         | J5 2.5 D (800, 1000, 1400, 1800) 1987-1991           |
|         | Engine CRD - U25/661                                 |
|         | J5 2.5 D (800, 1000, 1400, 1800) 1991-1994           |
|         | Engine CRD - U25/661                                 |
|         | J5 2.5 Turbo D (800, 1000, 1400, 1800) 1987-1991     |
|         | Engine CRD - U25/637                                 |
|         | J5 2.5 Turbo D (800, 1000, 1400, 1800) 1991-1994     |
|         | Engine CRD - U25/637                                 |
|         | J5 2.5 Turbo D 4x4 (800, 1000, 1400, 1800) 1987-1991 |
|         | Engine CRD - U25/637                                 |
|         | J5 2.5 Turbo D 4x4 (800, 1000, 1400, 1800) 1991-1994 |
|         | Engine CRD - U25/637                                 |
|         | J5 2.5 D 4x4 (800, 1000, 1400, 1800) 1987-1991       |
|         | Engine CRD - U25/661                                 |
|         | J5 2.5 D 4x4 (800, 1000, 1400, 1800) 1991-1994       |
|         | Engine CRD - U25/661                                 |
| J9      |  |
|         | J9 1.6 (1500, 1900) 1985-1988                        |
|         | Engine XC7 P/103                                     |
|         | J9 2.0 (1500, 1900) 1985-1988                        |
|         | Engine XN1 P/135                                     |
|         | J9 2.0 (1900) 1989-1992                              |
|         | Engine XN1 P/135                                     |
|         | J9 2.1 D (1500, 1900) 1985-1988                      |
|         | Engine XDP 90  |
|         | J9 2.5 D (1500, 1900) 1985-1988                      |
|         | Engine XD3 P   |
|         | J9 2.5 D (1900) 1989-1992                            |
|         | Engine XD3 P   |
| Bipper  |  |
|         | Bipper 1.4i 2007-2009                                |
|         | Engine TU3A  |
|         | Bipper 1.4 HDi 2007-2009                             |
|         | Engine DV4TED  |
| Partner |  |
|         | Partner 1.1 1996-1998                                |
|         | Engine TU1M+   |
|         | Partner 1.1 1999-2002                                |
|         | Engine TU1M+   |
|         | Partner 1.1 2002-2005                                |
|         | Engine TU1   |
|         | Partner 1.4 1996-1998                                |
|         | Engine TU3JP   |
|         | Partner 1.4 1999-2002                                |
|         | Engine TU3JP   |
|         | Partner 1.4 2002-2009                                |
|         | Engine TU3JP   |
|         | Partner 1.4 CNG 2003-2009                            |
|         | Engine TU3JP   |
|         | Partner 1.6 16V 2001-2002                            |
|         | Engine TU5JP4/L3                                     |
|         | Partner 1.6 16V 2002-2005                            |
|         | Engine TU5JP4  |
|         | Partner 1.8 1996-1999                                |
|         | Engine XU7JB   |
|         | Partner 1.6 HDi (55 kW) 2005-2009                    |
|         | Engine DV6TED4                                       |
|         | Partner 1.6 HDi (66 kW) 2005-2009                    |
|         | Engine DV6TED4                                       |
|         | Partner 1.8 D 1996-2002                              |
|         | Engine XUD7 (161A)                                   |
|         | Partner 1.9 D 1996-2000                              |
|         | Engine DW8   |
|         | Partner 1.9 D 1999-2002                              |
|         | Engine DW8   |
|         | Partner 1.9 D 2002-2005                              |
|         | Engine DW8   |
|         | Partner 2.0 HDi 1999-2002                            |
|         | Engine DW10TD/L3                                     |
|         | Partner 2.0 HDi 2002-2005                            |
|         | Engine DW10TD  |
| Expert  |  |
|         | Expert 1.6 1995-2001                                 |
|         | Engine   |
|         | Expert 1.6 HDi 2007-2009                             |
|         | Engine DV6UTED4                                      |
|         | Expert 1.9 D 1995-1995                               |
|         | Engine XUD9A   |
|         | Expert 1.9 D 1996-2007                               |



# Lubricant Report



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|--|------------------------|-----------------------------------|
|  |                        | Engine XUD9A                      |
|  | Expert 1.9 TD          | 1995-1995                         |
|  |                        | Engine XUD9TF                     |
|  | Expert 1.9 TD          | 1996-2000                         |
|  |                        | Engine XUD9TF                     |
|  | Expert 2.0 HDi         | (69 kW) 2000-2007                 |
|  |                        | Engine DW10TD                     |
|  | Expert 2.0 HDi         | (80 kW) 2000-2007                 |
|  |                        | Engine DW10ATED                   |
|  | Expert 2.0 HDi         | (88 kW) 2007-2009                 |
|  |                        | Engine DW10UTED4                  |
|  | Boxer                  |                                   |
|  | Boxer 2.0              | 1994-2002                         |
|  |                        | Engine XU10J2U                    |
|  | Boxer 1.9 D            | 1994-2002                         |
|  |                        | Engine D9B (XUD9AU)               |
|  | Boxer 1.9 TD           | 1994-2002                         |
|  |                        | Engine D8C (XUD9UTF)              |
|  | Boxer 2.0 HDi          | 2002-2006                         |
|  |                        | Engine DW10UTD                    |
|  | Boxer 2.2 HDi          | (74 kW) 2006-2009                 |
|  |                        | Engine P22DTE                     |
|  | Boxer 2.2 HDi          | (76 kW) 2002-2006                 |
|  |                        | Engine DW12UTED                   |
|  | Boxer 2.2 HDi          | (88 kW) 2006-2009                 |
|  |                        | Engine P22DTE+                    |
|  | Boxer 2.5 D            | 1994-2002                         |
|  |                        | Engine T9A (DJ5)                  |
|  | Boxer 2.5 TD           | 1994-2002                         |
|  |                        | Engine T8A (DJ5T)                 |
|  | Boxer 2.5 TDi          | 1998-2002                         |
|  |                        | Engine THX (DJ5TED)               |
|  | Boxer 2.8 HDi          | 2002-2006                         |
|  |                        | Engine F.28 TDCR                  |
|  | Piaggio                |                                   |
|  | Quargo                 |                                   |
|  | Quargo Disco LDW 702/P | - Engine                          |
|  | Ram Trucks (Dodge)     |                                   |
|  | Ram Van                |                                   |
|  | Ram Van 2.4i           | 1996-2000                         |
|  |                        | Transaxle, manual                 |
|  |                        | Engine                            |
|  | Ram Van 2.5 TD         | 1990-1995                         |
|  |                        | Engine                            |
|  | Ram Van 2.5 TD         | 1996-2000                         |
|  |                        | Transaxle, manual                 |
|  |                        | Engine VM                         |
|  | Ram Van 2.5 CRD        | 2001-2005                         |
|  |                        | Engine                            |
|  | Ram Van 2.8 CRD        | 2004-2008                         |
|  |                        | Engine R2816C5.05A                |
|  | Sprinter               |                                   |
|  | Sprinter 2500 CDI      | 2003-2006                         |
|  |                        | Engine Mercedes-Benz OM612 DE27LA |
|  | Sprinter 3500 CDI      | 2003-2006                         |
|  |                        | Engine Mercedes-Benz OM612 DE27LA |
|  | Renault                |                                   |
|  | Express                |                                   |
|  | Express 1.0            | 1985-1988                         |
|  |                        | Engine C1C                        |
|  | Express 1.1            | 1985-1994                         |
|  |                        | Engine C1E                        |
|  | Express 1.2            | 1992-1997                         |
|  |                        | Engine C1G                        |
|  | Express 1.4            | 1985-1997                         |
|  |                        | Engine C2J                        |
|  |                        | Engine C1J                        |
|  | Express 1.4            | 1992-1997                         |
|  |                        | Engine E6J                        |
|  | Express 1.4i           | 1992-1997                         |
|  |                        | Engine E7J                        |
|  | Express 1.4i           | 1985-1997                         |
|  |                        | Engine C3J                        |
|  | Kangoo                 |                                   |
|  | Kangoo 1.2 X76         | 1997-2000                         |
|  |                        | Engine D7F                        |
|  | Kangoo 1.2 X76         | 2001-2003                         |
|  |                        | Engine D7F                        |
|  | Kangoo 1.2 X76         | 2003-2005                         |
|  |                        | Engine D7F                        |
|  | Kangoo 1.2 16V X76     | 2003-2009                         |

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|           | Engine D4F                                 |
|           | Kangoo 1.4 X76 1997-2000                   |
|           | Engine E7J                                 |
|           | Kangoo 1.4 X76 2001-2003                   |
|           | Engine K7J                                 |
|           | Kangoo 1.6 16V 4x4 X76 2002-2003           |
|           | Engine K4M                                 |
|           | Kangoo 1.6 16V, 4x4 X76 2003-2009          |
|           | Engine K4M                                 |
|           | Kangoo 1.5 dCi (45 kW) X76 2005-2009       |
|           | Engine K9K Common Rail                     |
|           | Kangoo 1.5 dCi (48 kW) X76 2003-2005       |
|           | Engine K9K Common Rail                     |
|           | Kangoo 1.5 dCi (50 kW) X76 2005-2009       |
|           | Engine K9K Common Rail                     |
|           | Kangoo 1.5 dCi (60 kW), 4x4 X76 2003-2005  |
|           | Engine K9K Common Rail                     |
|           | Kangoo 1.5 dCi (62 kW) X76 2005-2009       |
|           | Engine K9K Common Rail                     |
|           | Kangoo 1.9 D X76 1997-2000                 |
|           | Engine F8Q                                 |
|           | Kangoo 1.9 D X76 2001-2003                 |
|           | Engine F8Q                                 |
|           | Kangoo 1.9 dTi X76 1999-2000               |
|           | Engine F9Q                                 |
| Trafic    |  |
|           | Trafic T 800, T 1000, T 1200 1.4 1986-1989 |
|           | Engine 847/CJ1                             |
|           | Trafic T 900, T 1100 1.4 1989-1994         |
|           | Engine 847.7.00 (C1J)                      |
|           | Trafic T 800, T 1000, T 1200 1.6 1986-1989 |
|           | Engine 841/A1M                             |
|           | Trafic T 900, T 1100 1.7 1989-1994         |
|           | Engine F1N.7.20                            |
|           | Trafic T 800, T 1000, T 1200 2.0 1986-1989 |
|           | Engine 829/J6R                             |
|           | Trafic T 900, T 1100 2.0 1989-1994         |
|           | Engine J5R.7.16                            |
|           | Trafic P 800, P 1000, P 1200 1.4 1986-1989 |
|           | Engine 847/CJ1                             |
|           | Trafic P 1400 1.4 1989-1994                |
|           | Engine 847.7.00 (C1J)                      |
|           | Trafic P 800, P 1000, P 1200 1.6 1986-1989 |
|           | Engine 841/A1M                             |
|           | Trafic P 1400 1.7 1989-1994                |
|           | Engine F1N.7.20                            |
|           | Trafic P 800, P 1000, P 1200 2.0 1986-1989 |
|           | Engine 829/J6R                             |
|           | Trafic P 1400 2.0 1989-1994                |
|           | Engine J5R.7.16                            |
|           | Trafic V 1100 1.4 4x4 1989-1994            |
|           | Engine 847.7.00 (C1J)                      |
|           | Trafic V 1100 1.7 4x4 1989-1994            |
|           | Engine F1N.7.20                            |
|           | Trafic V 1100 2.0 4x4 1989-1994            |
|           | Engine J5R.7.16                            |
| Trafic II |  |
|           | Trafic II 2.0 16V 2001-2007                |
|           | Engine F4R                                 |
|           | Trafic II 1.9 dCi (60 kW) 2001-2007        |
|           | Engine F9Q                                 |
|           | Trafic II 1.9 dCi (74 kW) 2001-2007        |
|           | Engine F9Q                                 |
| Master    |  |
|           | Master T30, T35 2.0 1986-1989              |
|           | Engine 829/J5R                             |
|           | Master T30, T35 2.2 1989-1997              |
|           | Engine J7T                                 |
|           | Master P35 2.0 1986-1989                   |
|           | Engine 829/J5R                             |
| Master II |  |
|           | Master II T28, T33, T35, 2.5 D 1997-1999   |
|           | Engine S8U                                 |
|           | Master II T28, T33, T35, 2.8 dTi 1997-2000 |
|           | Engine S9W                                 |
|           | Master II 1.9 DTi 1999-2000                |
|           | Engine F9QT                                |
|           | Master II 1.9 DTi 2001-2002                |
|           | Engine F9QT                                |
|           | Master II 1.9 dCi 2002-2007                |
|           | Engine F9QT                                |
|           | Master II 2.2 DTi 2000-2000                |

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|        |  | Engine G9TT        |
|        | Master II 2.2 dCi                      | 2001-2004          |
|        |  | Engine G9T         |
|        | Master II 2.5 D                        | 1999-2007          |
|        |  | Engine S8U         |
|        | Master II 2.8 DTi                      | 2000-2000          |
|        |  | Engine S9W         |
|        | Master II 2.8 DTi                      | 2001-2002          |
|        |  | Engine S9W         |
|        | Master II 3.0 dCi                      | 2004-2007          |
|        |  | Engine ZD3         |
|        | Master II Propulsion 3.0 dCi (85 kW)   | 2005-2007          |
|        |  | Engine ZD3         |
| Rover  | Maestro                                |                    |
|        | Maestro Van 500 1.3                    | 1986-1994          |
|        |  | Engine             |
|        | Maestro Van 700 1.3                    | 1986-1997          |
|        |  | Engine             |
|        | Maestro Van 700 1.6                    | 1986-1997          |
|        |  | Engine             |
|        |  | Carburettor damper |
|        | Maestro Van 700 2.0 D                  | 1986-1997          |
|        |  | Transaxle, manual  |
|        |  | Engine             |
| Seat   | Alhambra                               |                    |
|        | Alhambra 2.0                           | 1996-2000          |
|        |  | Engine ADY         |
|        | Alhambra 2.8                           | 1996-2000          |
|        |  | Engine AUE         |
|        | Alhambra 2.8                           | 2000-2010          |
|        |  | Engine AYL, AUE    |
|        | Alhambra 1.9 TDI (81 kW)               | 1998-2000          |
|        |  | Engine AFN         |
|        | Terra                                  |                    |
|        | Terra 0.9                              | 1986-1995          |
|        |  | Engine 09NCA       |
|        | Terra 1.3 D                            | 1990-1995          |
|        |  | Engine MN          |
|        | Terra 1.4 D                            | 1991-1995          |
|        |  | Engine             |
|        | Inca                                   |                    |
|        | Inca 1.4                               | 1996-2003          |
|        |  | Engine AEX         |
|        | Inca 1.4 16V                           | 2001-2003          |
|        |  | Engine BCA         |
|        | Inca 1.6                               | 1996-2003          |
|        |  | Engine 1F          |
|        | Inca 1.9 D                             | 1996-2003          |
|        |  | Engine 1Y          |
|        | Inca 1.9 SDi                           | 1996-2003          |
|        |  | Engine AEY         |
|        | Inca 1.9 TDi                           | 1999-2003          |
|        |  | Engine ALH         |
| Skoda  | Favorit, Estate, Foreman, Pick-up      |                    |
|        | Favorit, Estate, Foreman, Pick-up, 1.3 | 1991-1995          |
|        |  | Engine             |
|        | Praktik                                |                    |
|        | Praktik 1.2 12V                        | 2007-2010          |
|        |  | Engine BZG         |
|        | Praktik 1.4 16V                        | 2007-2010          |
|        |  | Engine BXW         |
|        | Praktik 1.6 16V                        | 2007-2010          |
|        |  | Engine BTS         |
| Subaru | Mini Jumbo Van (700)                   |                    |
|        | Jumbo Mini Van (700)                   | 1985-1989          |
|        |  | Engine             |
|        | E, Libero, Sumo                        |                    |
|        | E10, Libero 1.0, Sumo 1.0              | 1986-2000          |
|        |  | Engine             |
|        | E10 4WD, Libero 1.0 4WD, Sumo 1.0 4WD  | 1986-2000          |
|        |  | Engine             |
|        | E12 4WD, Libero 1.2 4WD, Sumo 1.2 4WD  | 1986-2000          |
|        |  | Engine             |
| Suzuki | Carry                                  |                    |
|        | Carry                                  | 1990-1994          |
|        |  | Engine F8A         |
|        | Super Carry                            |                    |

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|           |          | Super Carry 1990-1999<br>Engine F10A                 |
| Toyota EU |          |  |
|           | Hilux    |  |
|           |          | Hilux 1.8 (2WD) 1984-1996<br>Engine 2Y               |
|           |          | Hilux 1.8 (4WD) 1984-1996<br>Engine 2Y               |
|           |          | Hilux 2.0 (4WD) 1984-1996<br>Engine 3Y               |
|           |          | Hilux 2.0 VVT-i (2WD) 2006-<br>Engine 1TR-FE         |
|           |          | Hilux 2.2 (2WD) 1989-1996<br>Engine 4Y               |
|           |          | Hilux 2.2 (4WD) 1989-1996<br>Engine 4Y               |
|           |          | Hilux 2.4 (2WD) 1989-1996<br>Engine 22R-E            |
|           |          | Hilux 2.4 (4WD) 1989-1996<br>Engine 22R-E            |
|           |          | Hilux 2.7 VVT-i (2WD) 2006-2009<br>Engine 2TR-FE     |
|           |          | Hilux 2.7 VVT-i (2WD) 2009-<br>Engine 2TR-FE         |
|           |          | Hilux 2.7 VVT-i (4WD) 2006-2009<br>Engine 2TR-FE     |
|           |          | Hilux 2.7 VVT-i (4WD) 2009-<br>Engine 2TR-FE         |
|           |          | Hilux 4.0 VVT-i (4WD) 2006-<br>Engine 1GR-FE         |
|           |          | Hilux 2.5 D4-D 90 (2WD) 2001-2005<br>Engine 2KD-FTV  |
|           |          | Hilux 2.5 D4-D 100 (4WD) 2001-2005<br>Engine 2KD-FTV |
|           |          | Hilux 2.5 D4-D 100 (2WD) 2005-2006<br>Engine 2KD-FTV |
|           |          | Hilux 2.5 D4-D 100 (4WD) 2005-2006<br>Engine 2KD-FTV |
|           |          | Hilux 2.5 D-4D (2WD) 2006-2011<br>Engine 2KD-FTV     |
|           |          | Hilux 2.5 D-4D (4WD) 2006-2011<br>Engine 2KD-FTV     |
|           |          | Hilux 2.5 D-4D (2WD) (75 kW) 2011-<br>Engine 2KD-FTV |
|           |          | Hilux 2.5 D-4D (4WD) (75 kW) 2011-<br>Engine 2KD-FTV |
|           |          | Hilux 2.5 D-4D (2WD) (88 kW) 2011-<br>Engine 2KD-FTV |
|           |          | Hilux 2.5 D-4D (4WD) (88 kW) 2011-<br>Engine 2KD-FTV |
|           |          | Hilux 3.0 D-4D (2WD) 2006-2011<br>Engine 1KD-FTV     |
|           |          | Hilux 3.0 D-4D (4WD) 2006-2011<br>Engine 1KD-FTV     |
|           |          | Hilux 3.0 D-4D (2WD) 2011-<br>Engine 1KD-FTV         |
|           |          | Hilux 3.0 D-4D (4WD) 2011-<br>Engine 1KD-FTV         |
|           |          | Hilux 3.0 D (2WD) 2006-<br>Engine 5L-E               |
|           |          | Hilux 3.0 D (4WD) 2006-<br>Engine 5L-E               |
|           | Lite-Ace |  |
|           |          | Lite Ace 1.5 1988-1995<br>Engine 5K, 5K-C            |
|           |          | Lite Ace 1.8 1989-1995<br>Engine 2Y-C(U)             |
|           | Hi-Ace   |  |
|           |          | Hi-Ace 2.0 1988-1990<br>Engine 3Y                    |
|           |          | Hi-Ace 2.0 (2WD) 1990-1995<br>Engine 1RZ             |
|           |          | Hi-Ace 2.0 (4WD) 1990-1995<br>Engine 1RZ             |
|           |          | Hi-Ace 2.2 (2WD) 1988-1990<br>Engine 4Y              |
|           |          | Hi-Ace 2.2 (4WD) 1988-1990<br>Engine 4Y              |
|           |          | Hi-Ace 2.4i (2WD) 1990-1995<br>Engine 2RZ-E, 2RZ     |
|           |          | Hi-Ace 2.4i (4WD) 1990-1995<br>Engine 2RZ-E, 2RZ     |

|                          |  |           |                                     |
|--------------------------|--|-----------|-------------------------------------|
|                          | Hi-Ace 2.4i                                | 1995-2000 | Engine 2RZ-E                        |
|                          | Hi-Ace 2.7i (2WD)                          | 2000-2007 | Engine 3RZ-FE                       |
|                          | Hi-Ace 2.7i (4WD)                          | 2000-2007 | Engine 3RZ-FE                       |
|                          | Hi-Ace 2.5 D4-D 90                         | 2001-2007 | Engine 2KD-FTV                      |
|                          | Hi-Ace 2.5 D4-D 100                        | 2001-2007 | Engine 2KD-FTV                      |
|                          | Hi-Ace 2.5 D4-D 100 (4WD)                  | 2001-2007 | Engine 2KD-FTV                      |
|                          | Hi-Ace 2.5 D-4D Euro 4 (70 kW) (4x2)       | 2007-     | Engine 2KD-FTV                      |
|                          | Hi-Ace 2.5 D-4D Euro 4 (86 kW) (4x2)       | 2007-     | Engine 2KD-FTV                      |
|                          | Hi-Ace 2.5 D-4D Euro 4 (70 kW) (4x4)       | 2007-     | Engine 2KD-FTV                      |
|                          | Hi-Ace 2.5 D-4D Euro 4 (86 kW) (4x4)       | 2007-     | Engine 2KD-FTV                      |
| Dyna                     | Dyna 100 1.8                               | 1985-1995 | Engine 2Y                           |
|                          | Dyna 150 1.8                               | 1985-1995 | Engine 2Y                           |
|                          | Dyna 100 2.5 D4-D 90                       | 2001-2007 | Engine 2KD-FTV                      |
|                          | Dyna 150 2.5 D4-D 100                      | 2001-2007 | Engine 2KD-FTV                      |
|                          | Dyna 100 3.0 D-4D Euro 4                   | 2007-     | Engine 1KD-FTV                      |
|                          | Dyna 150 3.0 D-4D Euro 4                   | 2007-     | Engine 1KD-FTV                      |
| Land Cruiser (Prado) 70  | Land Cruiser 70 2.4                        | 1985-1996 | Engine 22R, 22R-E                   |
|                          | Land Cruiser 70 4.0                        | 1985-1992 | Engine 3F                           |
|                          | Land Cruiser 70 4.5                        | 1992-1996 | Engine 1FZ-F                        |
| Land Cruiser (Prado) 80  | Land Cruiser 80 Series (Station Wagon) 4.5 | 1992-     | Engine 1FZ-F, 1FZ-FE                |
| Land Cruiser (Prado) 90  | Land Cruiser 90 Series (Challenger) 2.7    | 1996-     | Engine 3RZ-F, 3RZ-FE                |
|                          | Land Cruiser 90 Series (Challenger) 3.4    | 1996-     | Engine 5VZ-FE                       |
| Land Cruiser (Prado) 100 | Land Cruiser 100 4.7 V8 32V                | 2000-2001 | Engine 2UZ-FE                       |
|                          | Land Cruiser 100 4.2 TD, D4-D              | 1998-2003 | Engine 1HD-FTE                      |
| UAZ                      | 452 / 3741 Series                          |           |                                     |
|                          | 220694                                     | 2004-     | Engine UMZ 4213                     |
|                          | 374194 / 390944 / 396294                   | 2004-     | Engine UMZ 4213                     |
|                          | 330364, 330394, 390994                     | 2004-     | Engine UMZ 4213                     |
| Vauxhall                 | Astramax                                   |           |                                     |
|                          | Combo 1.3                                  | 1986-1989 | Engine 13N, 13NB<br>Engine 13S      |
|                          | Combo 1.4i                                 | 1986-1989 | Engine C14NZ                        |
|                          | Combo 1.6                                  | 1986-1990 | Engine 16SV                         |
|                          | Combo 1.6i                                 | 1991-1993 | Engine 16LZ                         |
|                          | Combo 1.6 D                                | 1986-1990 | Engine 16DA                         |
|                          | Combo 1.7 D                                | 1989-1993 | Engine 17D                          |
|                          | Combo B                                    |           |                                     |
|                          | Combo 1.2i                                 | 1993-1996 | Engine C12NZ                        |
|                          | Combo 1.4i                                 | 1993-1996 | Engine C14SE<br>Engine C14NZ, X14SZ |

|                 |                                  |                 |                                     |
|-----------------|----------------------------------|-----------------|-------------------------------------|
|                 | Combo 1.4                        | 1996-2001       | Engine X14SZ                        |
|                 | Combo 1.7 D                      | 1993-1996       | Engine 4EE1, X17D                   |
|                 | Combo 1.7 D                      | 1996-2001       | Engine X17D (4EE1)                  |
| Combo C         | Combo 1.6                        | 2001-2004       | Engine Z16SE                        |
|                 | Combo 1.7 DI 16V                 | 2001-2004       | Engine Y17DTL                       |
|                 | Combo 1.7 DTI 16V                | 2001-2004       | Engine Y17DT                        |
| Campo/Brava     | Brava 2.3 (4x2)                  | 1991-1994       | Transmission, manual<br>Engine 4ZD1 |
|                 | Brava 2.3 (4x2)                  | 1995-2002       | Transmission, manual<br>Engine 4ZD1 |
|                 | Brava 2.3 (4x4)                  | 1991-1994       | Transmission, manual<br>Engine 4ZD1 |
|                 | Brava 2.3 (4x4)                  | 1995-2002       | Transmission, manual<br>Engine 4ZD1 |
|                 | Brava 2.5 D (4x2)                | 1991-1994       | Transmission, manual                |
|                 | Brava 2.5 D (4x4)                | 1991-1994       | Transmission, manual                |
|                 | Brava 2.5 TD (4x2)               | 1995-2002       | Transmission, manual                |
|                 | Brava 2.5 TD (4x4)               | 1995-2002       | Transmission, manual                |
|                 | Brava 3.1 TD (4x2)               | 1993-1999       | Transmission, manual                |
|                 | Brava 3.1 TD (4x4)               | 1995-2002       | Transmission, manual<br>Transferbox |
| Vivaro          | Vivaro 2.0 16V                   | 2001-2007       | Engine F4R                          |
|                 | Vivaro 2.5 DTI                   | 2003-2006       | Engine G9U 730                      |
|                 | Vivaro 2.5 DTI Tecshift          | 2005-2006       | Engine G9U 730                      |
| Arena           | Arena 1.9 D                      | 1999-1999       | Engine F8Q                          |
|                 | Arena 2.5 D                      | 1999-1999       | Engine S8U                          |
| Movano          | Movano 1.9 DTi                   | 2000-2001       | Engine F9QT 770                     |
|                 | Movano 1.9 DTi                   | 2002-2003       | Engine F9Q 772                      |
|                 | Movano 1.9 DTi                   | 2004-2005       | Engine F9Q 774                      |
|                 | Movano 2.2 DTi                   | 2001-2004       | Engine G9T 720                      |
|                 | Movano 2.2 CDTi                  | 2004-2010       | Engine G9T 750                      |
|                 | Movano 2.5 D                     | 2000-2003       | Engine S8U-770                      |
|                 | Movano 2.5 DTi                   | 2002-2004       | Engine G9U 720                      |
|                 | Movano 2.5 CDTi (74 kW)          | 2004-2006       | Engine G9U 754                      |
|                 | Movano 2.5 CDTi (74 kW) Tecshift | 2005-2006       | Engine G9U 750                      |
|                 | Movano 2.5 CDTi (84 kW)          | 2004-2006       | Engine G9U 754                      |
|                 | Movano 2.5 CDTi (84 kW) Tecshift | 2005-2006       | Engine G9U 750                      |
|                 | Movano 2.8 DTI                   | 2000-2002       | Engine S9W-702                      |
|                 | Movano 3.0 CDTi                  | 2004-2006       | Engine ZD3                          |
| Volkswagen (VW) | Transporter                      | Transporter 1.8 | 1990-1993<br>Engine PD              |

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|       |   |
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|       | Transporter/Caravelle 1.9 1986-1990<br>Engine                             |
|       | Transporter/Caravelle 2.0 1990-2003<br>Engine AAC                         |
|       | Transporter/Caravelle 2.0 (85 kW) 2003-2010<br>Engine AXA                 |
|       | Transporter/Caravelle 2.1 1986-1990<br>Engine                             |
|       | Transporter/Caravelle 2.1 Syncro 1986-1990<br>Engine                      |
|       | Transporter/Caravelle 2.5 1990-2003<br>Engine AAF, ACU                    |
|       | Transporter/Caravelle 2.5 Syncro 1993-2003<br>Engine AAF                  |
|       | Transporter/Caravelle 2.8 VR6 1997-2000<br>Engine AES                     |
|       | Transporter/Caravelle 3.2 (173 kW) 2003-2009<br>Engine BDL                |
|       | Transporter/Caravelle 3.2 (173 kW) 4MOTION 2004-2009<br>Engine BDL        |
|       | Transporter/Caravelle 1.6 Turbo D 1986-1990<br>Engine                     |
|       | Transporter/Caravelle 1.6 Turbo D Syncro 1986-1990<br>Engine              |
|       | Transporter/Caravelle 1.7 D 1986-1990<br>Engine                           |
|       | Transporter/Caravelle 1.9 Syncro 1986-1990<br>Engine                      |
|       | Transporter 1.9 D 1990-1996<br>Engine 1X                                  |
|       | Transporter/Caravelle 1.9 TD 1992-2003<br>Engine ABL                      |
|       | Transporter 2.4 D 1990-1997<br>Engine AAB                                 |
|       | Transporter/Caravelle 2.4 D Syncro 1993-1997<br>Engine AAB                |
|       | Transporter/Caravelle 2.4 D Syncro 1997-2003<br>Engine AJA                |
|       | Transporter/Caravelle 2.5 TDI (75 kW) 1996-1999<br>Engine ACV, AUF        |
|       | Transporter/Caravelle 2.5 TDI Syncro (75 kW) 1996-1999<br>Engine ACV, AUF |
|       | Transporter/Caravelle 2.5 TDI (111 kW) 1998-1999<br>Engine AHY            |
| Caddy | Caddy 1.4 1995-2004<br>Engine AEX   |
|       | Caddy 1.6 1988-1992<br>Engine   |
|       | Caddy 1.6 1995-2004<br>Engine 1F  |
|       | Caddy 1.8 1988-1992<br>Engine   |
|       | Caddy 1.6 D 1988-1992<br>Engine   |
|       | Caddy 1.9 D 1995-2004<br>Engine 1Y  |
|       | Caddy 1.9 SDI 1995-2004<br>Engine AEY                                     |
|       | Caddy 1.9 TDI 1997-2004<br>Engine ALH                                     |
| Caddy | Caddy 1.4 (55 kW) 2004-2009<br>Engine BCA                                 |
|       | Caddy 1.4 (59 kW) 2006-2010<br>Engine BUD                                 |
|       | Caddy 2.0 EcoFuel (CNG) 2006-2010<br>Engine BSX                           |
| Taro  | Taro 1.8 (4x2) 1990-1994<br>Engine 2Y                                     |
|       | Taro 1.8 (4x4) 1990-1994<br>Engine 2Y                                     |
|       | Taro 2.2 (4x2) 1990-1994<br>Engine 4Y                                     |
|       | Taro 2.2 (4x4) 1990-1994<br>Engine 4Y                                     |
|       | Taro 2.4i (4x2) 1991-1994<br>Engine 22R                                   |
|       | Taro 2.4i (4x4) 1991-1994<br>Engine 22R                                   |
|       | Taro 2.4 D (4x2) 1990-1996  |

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|                  |  | Engine 2L                            |  |
|                  | Taro 2.4 D (4x4)   | 1990-1996                            |  |
|                  |  | Engine 2L                            |  |
| LT               |  |                                      |  |
|                  | LT 2.4 (LT28, LT31, LT35(E), LT40(A), LT45, LT50, LT55)              | 1986-1989                            |  |
|                  |  | Engine                               |  |
|                  | LT 45 2.4  | 1990-1996                            |  |
|                  |  | Engine DL, 1E                        |  |
|                  | LT 45 2.4 4x4  | 1990-1996                            |  |
|                  |  | Engine 1E                            |  |
|                  | LT 28(A) 2.3i  | 1996-2006                            |  |
|                  |  | Engine AGL                           |  |
|                  | LT 35(A) 2.3i  | 1996-2006                            |  |
|                  |  | Engine AGL                           |  |
|                  | LT 46(A) 2.3i  | 1996-2006                            |  |
|                  |  | Engine AGL                           |  |
|                  | LT 2.4 Diesel (LT28, LT31, LT35(E), LT40(A), LT45, LT50, LT55)       | 1986-1989                            |  |
|                  |  | Engine                               |  |
| 1986-1989        | LT 2.4 Turbo Diesel (LT28, LT31, LT35(E), LT40(A), LT45, LT50, LT55) |                                      |  |
|                  |  | Engine                               |  |
|                  | LT 45 2.4 Turbo Diesel   | 1990-1996                            |  |
|                  |  | Engine                               |  |
|                  | LT 45 2.4 Turbo Diesel 4x4   | 1990-1996                            |  |
|                  |  | Engine                               |  |
|                  | LT 28(A) 2.5 SDI   | 1996-1999                            |  |
|                  |  | Engine AGX                           |  |
|                  | LT 35(A) 2.5 SDI   | 1996-1999                            |  |
|                  |  | Engine AGX                           |  |
|                  | LT 28(A) 2.5 TDI   | 1996-1999                            |  |
|                  |  | Engine AHD                           |  |
|                  | LT 35(A) 2.5 TDI   | 1996-1999                            |  |
|                  |  | Engine AHD                           |  |
|                  | LT 46(A) 2.5 TDI   | 1996-1999                            |  |
|                  |  | Engine AHD                           |  |
|                  | LT 2.5 TDI (61 kW)   | 2001-2006                            |  |
|                  |  | Engine                               |  |
|                  | LT 2.5 TDI (66 kW)   | 1999-2001                            |  |
|                  |  | Engine APA                           |  |
|                  | LT 2.5 TDI (70 kW)   | 2001-2006                            |  |
|                  |  | Engine                               |  |
|                  | LT 2.5 TDI (80 kW)   | 2002-2006                            |  |
|                  |  | Engine                               |  |
|                  | LT 28(A) 2.8 TDI   | 1996-1999                            |  |
|                  |  | Engine AGK                           |  |
|                  | LT 35(A) 2.8 TDI   | 1996-1999                            |  |
|                  |  | Engine AGK                           |  |
|                  | LT 46(A) 2.8 TDI   | 1996-1999                            |  |
|                  |  | Engine AGK                           |  |
|                  | LT 2.8 TDI (96 kW)   | 1999-2002                            |  |
|                  |  | Engine ATA                           |  |
|                  | LT 2.8 TDI CR  | 2002-2006                            |  |
|                  |  | Engine AUH, BCQ                      |  |
| Trucks and Buses |  |                                      |  |
|                  | Bremach  |                                      |  |
|                  | Job  |                                      |  |
|                  |  | Job X4 Euro 4 2007-2010              |  |
|                  |  | Engine Iveco F1A E4                  |  |
|                  |  | Job X4 + DPF Euro 4 2008-2010        |  |
|                  |  | Engine Iveco F1C E4                  |  |
|                  | Extreme  |                                      |  |
|                  |  | Extreme 4x4 Euro 4 2007-2010         |  |
|                  |  | Engine Iveco F1A E4                  |  |
|                  |  | Extreme 4x4 + DPF Euro 4 2008-2010   |  |
|                  |  | Engine Iveco F1C E4                  |  |
|                  | T-Rex  |                                      |  |
|                  |  | T-Rex 2.3 Euro 4 F1A 2010-           |  |
|                  |  | Engine Iveco F1A E4                  |  |
|                  | Dennis   |                                      |  |
|                  | Lance  |                                      |  |
|                  |  | Lance D.D. 1993-2001                 |  |
|                  |  | Engine Cummins C8.3-211 Euro 2       |  |
|                  | Dart Midibus   |                                      |  |
|                  |  | Lance Dart 130 MK II 1993-2001       |  |
|                  |  | Engine Cummins B, 6BT 5.9-130 Euro 2 |  |
|                  |  | Lance Dart 130 S.L.F. 1995-2001      |  |
|                  |  | Engine Cummins B, 6BT 5.9-130 Euro 2 |  |
|                  |  | Lance Dart 145 MK II 1993-2001       |  |
|                  |  | Engine Cummins B, 6BT 5.9-130 Euro 2 |  |
|                  |  | Lance Dart 145 S.L.F. 1995-2001      |  |
|                  |  | Engine Cummins B, 6BT 5.9-145 Euro 2 |  |



|       |                               |  |
|-------|-------------------------------|--|
|       | Javelin                       | Javelin 8.5m Coach 1987-2000<br>Engine Cummins C8.3-211 Euro 2                           |
|       |                               | Javelin 10m Coach 1987-2000<br>Engine Cummins C8.3-240 Euro 2                            |
|       |                               | Javelin 10/11m Bus 1987-2000<br>Engine Cummins C8.3-211 Euro 2                           |
|       |                               | Javelin 11/12m Coach 1987-2000<br>Engine Cummins C8.3-240 Euro 2                         |
|       |                               | Javelin GX 12m Coach 1987-2000<br>Engine Cummins C8.3-290 Euro 2                         |
|       | Rapier Fire                   | Rapier Euro 2 1996-2005<br>Engine Cummins C8.3-250 Euro 2                                |
|       | Sabre Fire                    | Sabre 2 Euro 2 1996-2005<br>Engine Cummins C8.3-250 Euro 2                               |
|       | Trident                       | Trident 2-axle 1997-2000<br>Engine Cummins C Euro 2                                      |
|       |                               | Trident 3-axle 1999-2000<br>Engine Cummins M11   |
|       | S.P.D.                        | S.P.D. 1999-2005<br>Engine Cummins B, 6BT 5.9-130 Euro 2                                 |
| Isuzu | NKR                           | NKR 35 1998-2007<br>Transmission, manual<br>Engine 4JG2<br>Oil bath air cleaner          |
|       |                               | NKR 55 1996-2007<br>Engine Isuzu 4JB1  |
|       | NPR                           | NPR 62 1998-2007<br>Engine 4BD2-TC<br>Transmission, manual<br>Oil bath air cleaner       |
|       |                               | N-Series (NKR, NPR, NLR, NNR, NMR) 2006-<br>Transmission, manual MYY5T                   |
|       | NQR                           | NQR 70 1998-2007<br>Engine 4HE1-TC<br>Transmission, manual MBP6Q<br>Oil bath air cleaner |
|       |                               | NQR 75 2006-<br>Transmission, manual MZZ6F   |
| Iveco | EuroCargo Tector (6 --> 10 t) | EuroCargo Tector ML 65 E13 2001-2008<br>Engine Iveco F4AE0481D*C Euro 3                  |
|       |                               | EuroCargo Tector ML 65 E15 2001-2008<br>Engine Iveco F4AE0481C*C Euro 3                  |
|       |                               | EuroCargo Tector ML 75 E13 2001-2008<br>Engine Iveco F4AE0481D*C Euro 3                  |
|       |                               | EuroCargo Tector ML 75 E15 2001-2008<br>Engine Iveco F4AE0481C*C Euro 3                  |
|       |                               | EuroCargo Tector ML 75 E17 2001-2008<br>Engine Iveco F4AE0481A*C Euro 3                  |
|       |                               | EuroCargo Tector ML 75 E18 2001-2008<br>Engine Iveco F4AE0681D*C Euro 3                  |
|       |                               | EuroCargo Tector ML 80 E17 2001-2008<br>Engine Iveco F4AE0481A*C Euro 3                  |
|       |                               | EuroCargo Tector ML 80 E18 2001-2008<br>Engine Iveco F4AE0681D*C Euro 3                  |
|       |                               | EuroCargo Tector ML 80 E21 2001-2008<br>Engine Iveco F4AE0681C*C Euro 3                  |
|       |                               | EuroCargo Tector ML 80 EL15 2001-2008<br>Engine Iveco F4AE0481C*C Euro 3                 |
|       |                               | EuroCargo Tector ML 80 EL17 2001-2008<br>Engine Iveco F4AE0481A*C Euro 3                 |
|       |                               | EuroCargo Tector ML 90 E17 2001-2008<br>Engine Iveco F4AE0481A*C Euro 3                  |
|       |                               | EuroCargo Tector ML 90 E18 2001-2008<br>Engine Iveco F4AE0681D*C Euro 3                  |
|       |                               | EuroCargo Tector ML 90 E21 2001-2008<br>Engine Iveco F4AE0681C*C Euro 3                  |
|       |                               | EuroCargo Tector ML 100 E17 2001-2008<br>Engine Iveco F4AE0481A*C Euro 3                 |
|       |                               | EuroCargo Tector ML 100 E18 2001-2008<br>Engine Iveco F4AE0681D*C Euro 3                 |
|       |                               | EuroCargo Tector ML 100 E21 2001-2008  |

|                                |  |
|--------------------------------|--|
|                                | Engine Iveco F4AE0681C*C Euro 3              |
| EuroCargo Tector (12 --> 18 t) |  |
|                                | EuroCargo Tector ML 120 E18 2001-2008        |
|                                | Engine Iveco F4AE0681D*C Euro 3              |
|                                | EuroCargo Tector ML 120 E18 Euro 4/5 2008-   |
|                                | Engine F4A                                   |
|                                | EuroCargo Tector ML 120 E24 2001-2008        |
|                                | Engine Iveco F4AE0682C*C Euro 3              |
|                                | EuroCargo Tector ML 120 E28 2001-2008        |
|                                | Engine Iveco F4AE0681A*C Euro 3              |
|                                | EuroCargo Tector ML 120 EL17 2001-2008       |
|                                | Engine Iveco F4AE0481A*C Euro 3              |
|                                | EuroCargo Tector ML 120 EL18 Euro 4/5 2008-  |
|                                | Engine F4A                                   |
|                                | EuroCargo Tector ML 120 EL21 2001-2008       |
|                                | Engine Iveco F4AE0681C*C Euro 3              |
|                                | EuroCargo Tector ML 130 E18 2001-2008        |
|                                | Engine Iveco F4AE0681D*C Euro 3              |
|                                | EuroCargo Tector ML 130 E24 2001-2008        |
|                                | Engine Iveco F4AE0682C*C Euro 3              |
|                                | EuroCargo Tector ML 130 E28 2001-2008        |
|                                | Engine Iveco F4AE0681A*C Euro 3              |
|                                | EuroCargo Tector ML 150 E18 2001-2008        |
|                                | Engine Iveco F4AE0681D*C Euro 3              |
|                                | EuroCargo Tector ML 150 E24 2001-2008        |
|                                | Engine Iveco F4AE0682C*C Euro 3              |
|                                | EuroCargo Tector ML 150 E28 2001-2008        |
|                                | Engine Iveco F4AE0681A*C Euro 3              |
|                                | EuroCargo Tector ML 180 E21 2001-2008        |
|                                | Engine Iveco F4AE0681C*C Euro 3              |
|                                | EuroCargo Tector ML 180 E24 2001-2008        |
|                                | Engine Iveco F4AE0682C*C Euro 3              |
|                                | EuroCargo Tector ML 180 E28 2001-2008        |
|                                | Engine Iveco F4AE0681A*C Euro 3              |
| EuroCargo Tector (4x4)         |  |
|                                | EuroCargo Tector ML 100 E18W (4x4) 2001-2009 |
|                                | Engine Iveco F4AE0681D*C Euro 3              |
|                                | EuroCargo Tector ML 100 E21W (4x4) 2001-2009 |
|                                | Engine Iveco F4AE0681C*C Euro 3              |
|                                | EuroCargo Tector ML 140 E18W (4x4) 2001-2009 |
|                                | Engine Iveco F4AE0681D*C Euro 3              |
|                                | EuroCargo Tector ML 140 E24W (4x4) 2001-2009 |
|                                | Engine Iveco F4AE0682C*C Euro 3              |
| Iveco Ford                     |  |
| Cargo Tector (6-10t)           |  |
|                                | Cargo Tector ML 65 E15 2001-2008             |
|                                | Engine Iveco F4AE0481D*C Euro 3              |
|                                | Cargo Tector ML 75 E17 2001-2008             |
|                                | Engine Iveco F4AE0481A*C Euro 3              |
|                                | Cargo Tector ML 75 E18 2001-2008             |
|                                | Engine Iveco F4AE0681D*C Euro 3              |
|                                | Cargo Tector ML 80 E17 2001-2008             |
|                                | Engine Iveco F4AE0481A*C Euro 3              |
|                                | Cargo Tector ML 80 E18 2001-2008             |
|                                | Engine Iveco F4AE0681D*C Euro 3              |
|                                | Cargo Tector ML 80 E21 2001-2008             |
|                                | Engine Iveco F4AE0681C*C Euro 3              |
|                                | Cargo Tector ML 100 E17 2001-2008            |
|                                | Engine Iveco F4AE0481A*C Euro 3              |
|                                | Cargo Tector ML 100 E18 2001-2008            |
|                                | Engine Iveco F4AE0681D*C Euro 3              |
|                                | Cargo Tector ML 100 E21 2001-2008            |
|                                | Engine Iveco F4AE0681C*C Euro 3              |
| Cargo Tector (12-15t)          |  |
|                                | Cargo Tector ML 120 EL17 2001-2008           |
|                                | Engine Iveco F4AE0481A*C Euro 3              |
|                                | Cargo Tector ML 120 E18 2001-2008            |
|                                | Engine Iveco F4AE0681D*C Euro 3              |
|                                | Cargo Tector ML 120 EL21 2001-2008           |
|                                | Engine Iveco F4AE0681C*C Euro 3              |
|                                | Cargo Tector ML 120 E24 2001-2008            |
|                                | Engine Iveco F4AE0682C*C Euro 3              |
|                                | Cargo Tector ML 120 E28 2001-2008            |
|                                | Engine Iveco F4AE0681A*C Euro 3              |
|                                | Cargo Tector ML 130 E18 2001-2008            |
|                                | Engine Iveco F4AE0681D*C Euro 3              |
|                                | Cargo Tector ML 130 E24 2001-2008            |
|                                | Engine Iveco F4AE0682C*C Euro 3              |
|                                | Cargo Tector ML 130 E28 2001-2008            |
|                                | Engine Iveco F4AE0681A*C Euro 3              |
|                                | Cargo Tector ML 150 E18 2001-2008            |
|                                | Engine Iveco F4AE0681D*C Euro 3              |

# Lubricant Report



|                 |                       |   |
|-----------------|-----------------------|---|
|                 |                       | Cargo Tector ML 150 E24 2001-2008                               |
|                 |                       | Engine Iveco F4AE0682C*C Euro 3                                 |
|                 |                       | Cargo Tector ML 150 E28 2001-2008                               |
|                 |                       | Engine Iveco F4AE0681A*C Euro 3                                 |
|                 | Cargo Tector (15t-->) |   |
|                 |                       | Cargo Tector 320 E28 2001-2008                                  |
|                 |                       | Engine Iveco F4AE0681A*C Euro 3                                 |
|                 | SuperCargo Tector     |   |
|                 |                       | SuperCargo Tector 180 E21 2001-2008                             |
|                 |                       | Engine Iveco F4AE0681D*C Euro 3                                 |
|                 |                       | SuperCargo Tector 180 E24 2001-2008                             |
|                 |                       | Engine Iveco F4AE0681B*C Euro 3                                 |
|                 |                       | SuperCargo Tector 180 E28 2001-2008                             |
|                 |                       | Engine Iveco F4AE0681A*C Euro 3                                 |
|                 |                       | SuperCargo Tector 260 E28 2001-2008                             |
|                 |                       | Engine Iveco F4AE0681A*C Euro 3                                 |
| Leyland DAF     |                       |   |
|                 | 95XF                  |   |
|                 |                       | 95XF.530 (6x4) 1997-  |
|                 |                       | Engine VF 530 Euro 2  |
| Mercedes-Benz   |                       |   |
|                 | Vario (667, 668, 670) |   |
|                 |                       | Vario 512D (667) 1996-2001                                      |
|                 |                       | Engine Mercedes-Benz OM602LA (602.984/5)                        |
|                 |                       | Vario 612D (668) 1996-2001                                      |
|                 |                       | Engine Mercedes-Benz OM602LA (602.984/985)                      |
|                 |                       | Vario 812D (670) 1996-2001                                      |
|                 |                       | Engine Mercedes-Benz OM602LA (602.984/985)                      |
| Nissan          |                       |   |
|                 | ECO-T                 |   |
|                 |                       | ECO-T.100 1997-2000   |
|                 |                       | Engine BD-30 Ti   |
|                 |                       | ECO-T.135 1997-2000   |
|                 |                       | Engine B4-40 Ti   |
|                 |                       | ECO-T.160 1997-2000   |
|                 |                       | Engine B6-60 Ti (L)   |
|                 |                       | ECO-T.200 1997-2000   |
|                 |                       | Engine B6-60 Ti (L)   |
|                 | Atleon                |   |
|                 |                       | Atleon 110 35/35HD/45/56 2000-2002                              |
|                 |                       | Engine BD-30 Ti   |
|                 |                       | Atleon 120 35/35HD/45/56/52GE 2002-2006                         |
|                 |                       | Engine BD-30 Ti   |
|                 |                       | Atleon.140 (until VIN 514110) 2000-2002                         |
|                 |                       | Engine B4-40 Ti   |
|                 |                       | Atleon 140 (from VIN 514110) 2002-2006                          |
|                 |                       | Engine B4-40 Ti   |
|                 |                       | Atleon 165 75/95/120 (until VIN 514110) 2000-2002               |
|                 |                       | Engine B6-60 Ti (L)   |
|                 |                       | Atleon 165 75/95/120 (from VIN 514110) 2002-2006                |
|                 |                       | Engine B6-60 Ti (L)   |
|                 |                       | Atleon 210 120/130/150/150R (until VIN 514110) 2000-2002        |
|                 |                       | Engine B6-60 Ti (H)   |
|                 |                       | Atleon 210 120/130/137 HD/150/150GE (from VIN 514110) 2002-2006 |
|                 |                       | Engine B6-60 Ti (H)   |
| Seddon Atkinson |                       |   |
|                 | Strato                |   |
|                 |                       | Strato R5 18.240NSD (4x2) 2001-2007                             |
|                 |                       | Engine Iveco F4AE0682C*C Tector                                 |
|                 |                       | Strato R5 18.275NSD (4x2) 2001-2007                             |
|                 |                       | Engine Iveco F4AE0681A*C Tector                                 |
|                 |                       | Strato R5 21.240NTA (6x2) 2001-2007                             |
|                 |                       | Engine Iveco F4AE0682C*C Tector                                 |
|                 |                       | Strato R5 21.275NTA (6x2) 2001-2007                             |
|                 |                       | Engine Iveco F4AE0681A*C Tector                                 |
|                 |                       | Strato R5 26.275NDD (6x4) 2001-2007                             |
|                 |                       | Engine Iveco F4AE0681A*C Tector                                 |
|                 | Pacer                 |   |
|                 |                       | Pacer M/N5 18.240NSD (4x2) 2001-2007                            |
|                 |                       | Engine Iveco F4AE0682C*C Tector                                 |
|                 |                       | Pacer M/N5 18.275NSD (4x2) 2001-2007                            |
|                 |                       | Engine Iveco F4AE0681A*C Tector                                 |
|                 |                       | Pacer M5 26.275NSD (6x2) 2001-2007                              |
|                 |                       | Engine Iveco F4AE0681A*C Tector                                 |
|                 |                       | Pacer M5 26.275NDD (6x4) 2001-2007                              |
|                 |                       | Engine Iveco F4AE0681A*C Tector                                 |
| Steyr           |                       |   |
|                 | S14                   |   |
|                 |                       | 13S14 (UK only !) 1988-1996                                     |
|                 |                       | Transmission, manual Eaton 4106                                 |
|                 | S18                   |   |
|                 |                       | 13S18 (UK only !) 1988-1996                                     |

|                    |                               |   |
|--------------------|-------------------------------|---|
|                    |                               | Transmission, manual Eaton 4106   |
|                    | 17S18 (UK only !)             | 1988-1996<br>Transmission, manual Eaton 4106  |
| S21                |                               |   |
|                    | 17S21 (UK only !)             | 1988-1993<br>Transmission, manual Eaton 4106  |
| S28                |                               |   |
|                    | 19S28 (UK only !)             | 1988-1993<br>Transmission, manual Eaton TS 11612  |
| S31                |                               |   |
|                    | 19S31 (UK only !)             | 1988-1996<br>Transmission, manual Eaton TS 11612  |
| Terberg            |                               |   |
|                    | FM                            |   |
|                    | FM 1350 WDG(L) 6x6            | 2001-2004<br>Power take off Koblam/Kobklo   |
|                    | FM 1350 WDG(L) 6x6            | 2004-2008<br>Engine D12D-380 Euro 3<br>Engine D12D-420 Euro 3<br>Power take off Koblam/Kobklo |
|                    | FM 1450 WDG(L) 6x4            | 2001-2004<br>Power take off Koblam/Kobklo   |
|                    | FM 1450 WDG(L) 6x4            | 2004-2008<br>Engine D12D-380 Euro 3<br>Engine D12D-420 Euro 3<br>Power take off Koblam/Kobklo |
|                    | FM 1950-T 8x6                 | 2001-2004<br>Power take off Koblam/Kobklo   |
|                    | FM 1950-T 8x6                 | 2004-2008<br>Engine D12D-380 Euro 3<br>Engine D12D-420 Euro 3<br>Power take off Koblam/Kobklo |
|                    | FM 2000-T 8x8                 | 2001-2004<br>Power take off Koblam/Kobklo   |
|                    | FM 2000-T 8x8                 | 2004-2008<br>Engine D12D-420 Euro 3<br>Engine D12D-380 Euro 3<br>Power take off Koblam/Kobklo |
|                    | FM 2850-T 10x4                | 2001-2004<br>Power take off Koblam/Kobklo   |
|                    | FM 2850-T 10x4                | 2004-2008<br>Engine D12D-420 Euro 3<br>Engine D12D-380 Euro 3<br>Power take off Koblam/Kobklo |
|                    | FM 3000-T 10x8                | 2001-2004<br>Power take off Koblam/Kobklo   |
|                    | FM 3000-T 10x8                | 2004-2008<br>Engine D12D-420 Euro 3<br>Power take off Koblam/Kobklo                           |
| Toyota             |                               |   |
|                    | Optima / Coaster              |   |
|                    | Optima / Coaster              | 1997-1999<br>Engine 14B<br>Engine 3B<br>Engine 1HZ  |
|                    | Optima / Coaster              | 1999-2006<br>Engine 15B-FTE<br>Engine 14B<br>Engine 15B-FT<br>Engine 1HZ                      |
|                    | Optima / Coaster              | 2006-<br>Engine N04C-UH + DPF<br>Engine 1HZ<br>Engine 14B<br>Engine 15B-FT<br>Engine N04C-TQ  |
|                    | Dyna                          |   |
|                    | Dyna 200 Euro 4               | XZU415/425/435 2007-2009<br>Engine N04C-TQ  |
|                    | Dyna 200 Euro 5               | XZU419/429/439 2009-<br>Engine N04C-UH + DPF  |
| VDL (Bova/Berkhof) |                               |   |
|                    | FH                            |   |
|                    | Futura FHX 10.370, FHX 12.370 | 1991-<br>Engine MAN D2866 LOH   |
| Volkswagen (VW)    |                               |   |
|                    | LT                            |   |
|                    | LT 46 2.3 i                   | 1997-2000<br>Engine AGL   |
|                    | LT 46 2.5 TDi                 | 1997-2000<br>Engine AHD   |
|                    | LT 46 2.8 TDi                 | 1997-2000   |

|       |             |  |
|-------|-------------|--|
|       |             | Engine AGK   |
| Volvo | FL-6 Euro 3 | <ul style="list-style-type: none"> <li>FL 6-180 Euro 3 2001-2006<br/>Engine D6B-180 Euro 3<br/>Power take off Koblam/Kobklo</li> <li>FL 6-220 Euro 3 2001-2006<br/>Engine D6B-220 Euro 3<br/>Power take off Koblam/Kobklo</li> <li>FL 6-250 Euro 3 2001-2006<br/>Engine D6B-250 Euro 3<br/>Power take off Koblam/Kobklo</li> </ul>   |
|       | FL-10       | <ul style="list-style-type: none"> <li>FL10 (TD 101 G) 1985-1988<br/>Retarder Voith</li> <li>FL10 (TD 102 FH) 1988-1993<br/>Engine TD 102 FH<br/>Retarder Voith</li> <li>FL10 (TD 101 F) 1985-1988<br/>Retarder Voith</li> <li>FL10 (TD 103 ES) 1992-1995<br/>Engine TD 103 ES Euro 1<br/>Retarder Voith</li> <li>FL10 (TD 103 E) 1992-1995<br/>Engine TD 103 E Euro 1<br/>Retarder Voith</li> <li>FL10 (TD 102 F) 1988-1993<br/>Retarder Voith</li> <li>FL10 (TD 102 FM) 1988-1993<br/>Engine TD 102 FM<br/>Retarder Voith</li> <li>FL10 (TD 102 FL) 1988-1993<br/>Engine TD 102 FL<br/>Retarder Voith</li> <li>FL10-320 (D10A) 1994-1998<br/>Engine D10A320 Euro 2</li> <li>FL10-360 (D10A) 1994-1998<br/>Engine D10A360 Euro 2</li> </ul> |
|       | FL-12       | <ul style="list-style-type: none"> <li>FL 12-340 (D12A) 1995-1998<br/>Engine D12A 340 Euro 1/2<br/>Retarder Voith</li> <li>FL 12-380 (D12A) 1995-1998<br/>Engine D12A 380 Euro 1/2<br/>Retarder Voith</li> <li>FL 12-420 (D12A) 1995-1998<br/>Engine D12A-420 Euro 1/2<br/>Retarder Voith</li> </ul>   |
|       | FL          | <ul style="list-style-type: none"> <li>FL 240 Euro 4 D7E 2006-2009<br/>Power take off</li> <li>FL 240 Euro 5 (incentive) D7E 2006-2009<br/>Power take off</li> <li>FL 240 Euro 5 D7F 2009-<br/>Power take off</li> <li>FL 280 Euro 4 D7E 2006-2009<br/>Power take off</li> <li>FL 280 Euro 5 (incentive) D7E 2006-2009<br/>Power take off</li> <li>FL 280 Euro 5 D7F 2009-<br/>Power take off</li> <li>FL 320 Euro 4 D7E 2006-2009<br/>Power take off</li> <li>FL 320 Euro 5 D7E 2006-2009<br/>Power take off</li> </ul>   |
|       | FE          | <ul style="list-style-type: none"> <li>FE 240 Euro 4 D7E 2006-2009<br/>Power take off</li> <li>FE 240 Euro 5 (incentive) D7E 2006-2009<br/>Power take off</li> <li>FE 240 Euro 5 D7F 2009-<br/>Power take off</li> <li>FE 260 Euro 5 D7F 2009-<br/>Power take off</li> <li>FE 280 Euro 4 D7E 2006-2009<br/>Power take off</li> <li>FE 280 Euro 5 (incentive) D7E 2006-2009<br/>Power take off</li> <li>FE 300 Euro 5 D7F 2009-<br/>Power take off</li> <li>FE 320 Euro 4 D7E 2006-2009<br/>Power take off</li> </ul>   |

|             |   |
|-------------|---|
|             | FE 320 Euro 5 (incentive) D7E 2006-2009<br>Power take off   |
|             | FE 340 Euro 5 D7F 2009-<br>Power take off   |
| FM-7        | FM 7-250 (4x2/6x2/6x4) 1998-2000<br>Engine D7C250 Euro 2  |
|             | FM 7-290 (4x2/6x2/6x4/8x4) 1998-2000<br>Engine D7C290 Euro 2  |
| FM-7 Euro 3 | FM 7-250 4x2 2001-2006<br>Transmission, manual Volvo SR1400<br>Engine D7C250 Euro 3<br>Transmission, manual Volvo R1400<br>Retarder RET-TH<br>Retarder Voith FH<br>Power take off Koblam/Kobklo                 |
|             | FM 7-250 6x2 2001-2006<br>Transmission, manual Volvo R1400<br>Transmission, manual Volvo SR1400<br>Engine D7C250 Euro 3<br>Retarder RET-TH<br>Retarder Voith FH<br>Power take off Koblam/Kobklo                 |
|             | FM 7-290 4x2 2001-2006<br>Transmission, manual Volvo R1400<br>Transmission, manual Volvo SR1400<br>Engine D7C290 Euro 3<br>Retarder RET-TH<br>Retarder Voith FH<br>Power take off Koblam/Kobklo                 |
|             | FM 7-290 6x2 2001-2006<br>Transmission, manual Volvo SR1400<br>Engine D7C290 Euro 3<br>Transmission, manual Volvo R1400<br>Retarder RET-TH<br>Retarder Voith FH<br>Power take off Koblam/Kobklo                 |
|             | FM 7-310 4x2 2001-2006<br>Transmission, manual Volvo R1400<br>Engine D7C310 Euro 3<br>Transmission, manual Volvo SR1400<br>Retarder RET-TH<br>Retarder Voith FH<br>Power take off Koblam/Kobklo                 |
|             | FM 7-310 6x2 2001-2006<br>Transmission, manual Volvo R1400<br>Transmission, manual Volvo SR1400<br>Engine D7C310 Euro 3<br>Retarder RET-TH<br>Retarder Voith FH<br>Power take off Koblam/Kobklo                 |
| FM-9        | FM 9-260 (4x2) 2002-2006<br>Engine D9A260 Euro 3<br>Retarder RET-TH<br>Power take off Koblam/Kobklo   |
|             | FM 9-260 (6x2) 2002-2006<br>Engine D9A260 Euro 3<br>Retarder RET-TH<br>Power take off Koblam/Kobklo   |
|             | FM 9-260 (6x4) 2002-2006<br>Engine D9A260 Euro 3<br>Retarder RET-TH<br>Power take off Koblam/Kobklo   |
|             | FM 9-300 (4x2) 2002-2006<br>Engine D9A300 Euro 3<br>Retarder RET-TH<br>Power take off Koblam/Kobklo   |
|             | FM 9-300 (6x2) 2002-2006<br>Engine D9A300 Euro 3<br>Retarder RET-TH<br>Power take off Koblam/Kobklo   |
|             | FM 9-300 (6x4) 2002-2006<br>Engine D9A300 Euro 3<br>Retarder RET-TH<br>Power take off Koblam/Kobklo   |
|             | FM 9-300 (4x2/6x2/8x2) Euro 4/5 2006-2009<br>Transmission, manual Volvo VT(O)2514B<br>Transmission, automated I-Shift ATO2512C<br>Transmission, manual Volvo VT2214B<br>Transmission, automated I-Shift AT2512C |

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|                                 | Transmission, manual Volvo VT2009B       |
|                                 | Transmission, automated I-Shift AT2412C  |
|                                 | Transmission, manual Volvo VTO2214B      |
|                                 | Transmission, manual Volvo VT2514        |
|                                 | Retarder RET-TH                          |
|                                 | Retarder Voith FH                        |
|                                 | Power take off                           |
| FM 9-340 (4x2)                  | 2002-2006                                |
|                                 | Engine D9A340 Euro 3                     |
|                                 | Retarder RET-TH                          |
|                                 | Power take off Koblam/Kobklo             |
| FM 9-340 (6x2)                  | 2002-2006                                |
|                                 | Engine D9A340 Euro 3                     |
|                                 | Retarder RET-TH                          |
|                                 | Power take off Koblam/Kobklo             |
| FM 9-340 (6x4)                  | 2002-2006                                |
|                                 | Engine D9A340 Euro 3                     |
|                                 | Retarder RET-TH                          |
|                                 | Power take off Koblam/Kobklo             |
| FM 9-340 (4x2/6x2/8x2) Euro 4/5 | 2006-2009                                |
|                                 | Transmission, manual Volvo VT2514        |
|                                 | Transmission, automated I-Shift ATO2512C |
|                                 | Transmission, automated I-Shift AT2512C  |
|                                 | Transmission, automated I-Shift AT2412C  |
|                                 | Transmission, manual Volvo VTO2214B      |
|                                 | Transmission, manual Volvo VT2009B       |
|                                 | Transmission, manual Volvo VT2214B       |
|                                 | Transmission, manual Volvo VT(O)2514B    |
|                                 | Retarder RET-TH                          |
|                                 | Retarder Voith FH                        |
|                                 | Power take off                           |
| FM 9-340 4x4 Euro 4/5           | 2006-2009                                |
|                                 | Transmission, manual Volvo VT2214B       |
|                                 | Transmission, automated I-Shift ATO2512C |
|                                 | Transmission, automated I-Shift AT2412C  |
|                                 | Transmission, manual Volvo VT2009B       |
|                                 | Transmission, automated I-Shift AT2512C  |
|                                 | Transmission, manual Volvo VTO2214B      |
|                                 | Retarder RET-TH                          |
|                                 | Retarder Voith FH                        |
|                                 | Power take off                           |
| FM 9-380 (4x2)                  | 2002-2006                                |
|                                 | Engine D9A380 Euro 3                     |
|                                 | Retarder RET-TH                          |
|                                 | Power take off Koblam/Kobklo             |
| FM 9-380 (6x2)                  | 2002-2006                                |
|                                 | Engine D12D-380 Euro 3                   |
|                                 | Engine D9A380 Euro 3                     |
|                                 | Retarder RET-TH                          |
|                                 | Power take off Koblam/Kobklo             |
| FM 9-380 (6x4)                  | 2002-2006                                |
|                                 | Engine D9A380 Euro 3                     |
|                                 | Retarder RET-TH                          |
|                                 | Power take off Koblam/Kobklo             |
| FM 9-380 (4x2/6x2/8x2) Euro 4/5 | 2006-2009                                |
|                                 | Transmission, manual Volvo VT2009B       |
|                                 | Transmission, automated I-Shift AT2512C  |
|                                 | Transmission, manual Volvo VT2514        |
|                                 | Transmission, manual Volvo VT(O)2514B    |
|                                 | Transmission, automated I-Shift ATO2512C |
|                                 | Transmission, manual Volvo VT2214B       |
|                                 | Transmission, automated I-Shift AT2412C  |
|                                 | Transmission, manual Volvo VTO2214B      |
|                                 | Retarder Voith FH                        |
|                                 | Retarder RET-TH                          |
|                                 | Power take off                           |
| FM 9-380 4x4 Euro 4/5           | 2006-2009                                |
|                                 | Transmission, manual Volvo VT2009B       |
|                                 | Transmission, automated I-Shift AT2512C  |
|                                 | Transmission, automated I-Shift AT2412C  |
|                                 | Transmission, manual Volvo VT2214B       |
|                                 | Transmission, manual Volvo VTO2214B      |
|                                 | Transmission, automated I-Shift ATO2512C |
|                                 | Retarder Voith FH                        |
|                                 | Retarder RET-TH                          |
|                                 | Power take off                           |
| FM 9-420 (6x2)                  | 2002-2006                                |
|                                 | Engine D12D-420 Euro 3                   |
|                                 | Retarder RET-TH                          |
|                                 | Power take off Koblam/Kobklo             |
| FM 9-460 (6x2)                  | 2002-2006                                |
|                                 | Engine D12D-460 Euro 3                   |

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|                | Retarder RET-TH<br>Power take off Koblam/Kobklo   |
| FM 9-500 (6x2) | 2002-2006<br>Engine D12D-500 Euro 3<br>Retarder RET-TH<br>Power take off Koblam/Kobklo  |
| FM-10          |   |
|                | FM10-320 (4x2/6x2) 1999-2000<br>Engine D10B-320 Euro 2  |
|                | FM10-360 (4x2/6x2) 1999-2000<br>Engine D10B-360 Euro 2  |
| FM-11          |   |
|                | FM 11-390 Euro 4/5 (incentive) (4x2, 6x2) D11B 2007-2009<br>Transmission, automated I-Shift AT2412C<br>Transmission, automated I-Shift AT2512C<br>Transmission, manual Volvo VT2214B<br>Transmission, manual Volvo VTO2214B<br>Transmission, manual Volvo VT2009B<br>Power take off   |
|                | FM 11-430 Euro 4/5 (incentive) (4x2, 6x2) D11B 2007-2009<br>Transmission, automated I-Shift AT2512C<br>Transmission, manual Volvo VT2009B<br>Transmission, manual Volvo VT2214B<br>Transmission, manual Volvo VTO2214B<br>Transmission, automated I-Shift AT2412C<br>Power take off   |
|                | FM 11-330 Euro 5 D11C 2009-<br>Transmission, automated I-Shift AT2512C<br>Transmission, manual Volvo VT(O)2214B<br>Transmission, manual Volvo VT2214B<br>Transmission, automated I-Shift AT2412C/D<br>Transmission, manual Volvo VT(O)2514B<br>Transmission, manual Volvo VTO2214B<br>Transmission, manual Volvo VT2009B<br>Transmission, automated I-Shift AT(O)2612D<br>Transferbox<br>Power take off     |
|                | FM 11-330 Euro 5 EEV D11C 2009-<br>Transmission, manual Volvo VT(O)2514B<br>Transmission, manual Volvo VT2009B<br>Transmission, automated I-Shift AT2512C<br>Transmission, manual Volvo VT2214B<br>Transmission, automated I-Shift AT(O)2612D<br>Transmission, automated I-Shift AT2412C/D<br>Transmission, manual Volvo VT(O)2214B<br>Transmission, manual Volvo VTO2214B<br>Transferbox<br>Power take off |
|                | FM 11-370 Euro 5 D11C 2009-<br>Transmission, automated I-Shift AT(O)2612D<br>Transmission, manual Volvo VT(O)2514B<br>Transmission, automated I-Shift AT2412C/D<br>Transmission, manual Volvo VT2009B<br>Transmission, manual Volvo VTO2214B<br>Transmission, manual Volvo VT2214B<br>Transmission, automated I-Shift AT2512C<br>Transmission, manual Volvo VT(O)2214B<br>Transferbox<br>Power take off     |
|                | FM 11-370 Euro 5 EEV D11C 2009-<br>Transmission, manual Volvo VT2009B<br>Transmission, automated I-Shift AT(O)2612D<br>Transmission, manual Volvo VT(O)2514B<br>Transmission, manual Volvo VT(O)2214B<br>Transmission, manual Volvo VTO2214B<br>Transmission, automated I-Shift AT2512C<br>Transmission, manual Volvo VT2214B<br>Transmission, automated I-Shift AT2412C/D<br>Transferbox<br>Power take off |
|                | FM 11-410 Euro 5 D11C 2009-<br>Transmission, automated I-Shift AT(O)2612D<br>Transmission, manual Volvo VT2009B<br>Transmission, automated I-Shift AT2512C<br>Transmission, manual Volvo VTO2214B<br>Transmission, manual Volvo VT2214B<br>Transmission, manual Volvo VT(O)2214B<br>Transmission, automated I-Shift AT2412C/D<br>Transmission, manual Volvo VT(O)2514B<br>Transferbox<br>Power take off     |
|                | FM 11-410 Euro 5 EEV D11C 2009-   |



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|                                       | Transmission, manual Volvo VT2214B         |
|                                       | Transmission, automated I-Shift AT(O)2612D |
|                                       | Transmission, manual Volvo VT(O)2514B      |
|                                       | Transmission, manual Volvo VT2009B         |
|                                       | Transmission, manual Volvo VTO2214B        |
|                                       | Transmission, automated I-Shift AT2512C    |
|                                       | Transmission, manual Volvo VT(O)2214B      |
|                                       | Transmission, automated I-Shift AT2412C/D  |
|                                       | Transferbox                                |
|                                       | Power take off                             |
| FM 11-450 Euro 5 D11C 2009-           | Transmission, automated I-Shift AT2412C/D  |
|                                       | Transmission, manual Volvo VT2214B         |
|                                       | Transmission, manual Volvo VT(O)2214B      |
|                                       | Transmission, manual Volvo VT(O)2514B      |
|                                       | Transmission, automated I-Shift AT2512C    |
|                                       | Transmission, manual Volvo VT2009B         |
|                                       | Transmission, manual Volvo VTO2214B        |
|                                       | Transmission, automated I-Shift AT(O)2612D |
|                                       | Transferbox                                |
|                                       | Power take off                             |
| FM-12                                 |  |
| FM 12-340 (4x2/6x2/6x4/8x4) 1998-2000 | Engine D12C-340 Euro 2                     |
|                                       | Retarder Voith                             |
| FM 12-380 (4x2/6x2/6x4/8x4) 1998-2000 | Engine D12C-380 Euro 2                     |
|                                       | Retarder Voith                             |
| FM 12-420 (4x2/6x2/6x4/8x4) 1998-2000 | Engine D12C-420 Euro 2                     |
|                                       | Retarder Voith                             |
| FM-12 Euro 3/4                        |  |
| FM 12-340 (4x4/6x6) 2001-2002         | Engine D12C-340 Euro 2                     |
|                                       | Retarder RET-TH                            |
|                                       | Retarder Voith                             |
| FM 12-340 (4x2/6x2/8x2) 2001-2002     | Engine D12C-340 Euro 2                     |
|                                       | Retarder RET-TH                            |
|                                       | Retarder Voith                             |
| FM 12-340 (6x4/8x4) 2001-2002         | Engine D12C-340 Euro 2                     |
|                                       | Retarder RET-TH                            |
|                                       | Retarder Voith                             |
| FM 12-340 (4x2) 2002-2006             | Transmission, manual Volvo VTO2214B        |
|                                       | Transmission, manual Volvo VT2214B         |
|                                       | Transmission, manual Volvo VT2009B         |
|                                       | Transmission, manual Volvo VT1708B         |
|                                       | Engine D12D-340 Euro 3                     |
|                                       | Transmission, automated I-Shift VT2412B    |
|                                       | Retarder RET-TH                            |
|                                       | Power take off Koblam/Kobklo               |
| FM 12-340 (6x2) 2002-2006             | Engine D12D-340 Euro 3                     |
|                                       | Power take off Koblam/Kobklo               |
| FM 12-340 (6x4) 2002-2006             | Engine D12D-340 Euro 3                     |
|                                       | Retarder RET-TH                            |
|                                       | Power take off Koblam/Kobklo               |
| FM 12-340 (8x4) 2002-2006             | Engine D12D-340 Euro 3                     |
|                                       | Retarder RET-TH                            |
|                                       | Power take off Koblam/Kobklo               |
| FM 12-380 (4x4/6x6) 2001-2002         | Engine D12C-380 Euro 2                     |
|                                       | Retarder RET-TH                            |
|                                       | Retarder Voith                             |
| FM 12-380 (4x2/6x2/8x2) 2001-2002     | Engine D12C-380 Euro 2                     |
|                                       | Retarder RET-TH                            |
|                                       | Retarder Voith                             |
| FM 12-380 (6x4/8x4) 2001-2002         | Engine D12C-380 Euro 2                     |
|                                       | Retarder RET-TH                            |
|                                       | Retarder Voith                             |
| FM 12-380 (4x2) 2002-2006             | Engine D12D-380 Euro 3                     |
|                                       | Retarder RET-TH                            |
|                                       | Power take off Koblam/Kobklo               |
| FM 12-380 (6x2) 2002-2006             | Engine D12D-380 Euro 3                     |

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|                         | Retarder RET-TH                          |
|                         | Power take off Koblam/Kobklo             |
| FM 12-380 (6x4)         | 2002-2006                                |
|                         | Engine D12D-380 Euro 3                   |
|                         | Retarder RET-TH                          |
|                         | Power take off Koblam/Kobklo             |
| FM 12-380 (8x4)         | 2002-2006                                |
|                         | Engine D12D-380 Euro 3                   |
|                         | Retarder RET-TH                          |
|                         | Power take off Koblam/Kobklo             |
| FM 12-390 (4x2/6x2/8x2) | Euro 4 2005-2006                         |
|                         | Transmission, automated I-Shift AT2412C  |
|                         | Transmission, manual Volvo VT2214B       |
|                         | Transmission, manual Volvo VT(O)2514B    |
|                         | Transmission, manual Volvo VT2009B       |
|                         | Transmission, automated I-Shift AT2512C  |
|                         | Transmission, manual Volvo VT2514        |
|                         | Transmission, manual Volvo VTO2214B      |
|                         | Transmission, automated I-Shift ATO2512C |
|                         | Retarder Voith FH                        |
|                         | Retarder RET-TH                          |
|                         | Power take off                           |
| FM 12-420 (4x4/6x6)     | 2001-2002                                |
|                         | Engine D12C-420 Euro 2                   |
|                         | Retarder RET-TH                          |
|                         | Retarder Voith                           |
| FM 12-420 (4x2/6x2/8x2) | 2001-2002                                |
|                         | Engine D12C-420 Euro 2                   |
|                         | Retarder RET-TH                          |
|                         | Retarder Voith                           |
| FM 12-420 (6x4/8x4)     | 2001-2002                                |
|                         | Engine D12C-420 Euro 2                   |
|                         | Retarder RET-TH                          |
|                         | Retarder Voith                           |
| FM 12-420 (4x2)         | 2002-2006                                |
|                         | Engine D12D-420 Euro 3                   |
|                         | Retarder RET-TH                          |
|                         | Power take off Koblam/Kobklo             |
| FM 12-420 (6x2)         | 2002-2006                                |
|                         | Engine D12D-420 Euro 3                   |
|                         | Retarder RET-TH                          |
|                         | Power take off Koblam/Kobklo             |
| FM 12-420 (6x4)         | 2002-2006                                |
|                         | Engine D12D-420 Euro 3                   |
|                         | Retarder RET-TH                          |
|                         | Power take off Koblam/Kobklo             |
| FM 12-420 (8x4)         | 2002-2006                                |
|                         | Engine D12D-420 Euro 3                   |
|                         | Retarder RET-TH                          |
|                         | Power take off Koblam/Kobklo             |
| FM-13                   |  |
| FM 13-360 (4x2/6x2/8x2) | Euro 3 D13A 2006-                        |
|                         | Transmission, automated I-Shift AT2412C  |
|                         | Engine D13A                              |
|                         | Transmission, manual Volvo VT(O)2514B    |
|                         | Transmission, manual Volvo VT2009B       |
|                         | Transmission, manual Volvo VT2514        |
|                         | Transmission, automated I-Shift ATO2512C |
|                         | Transmission, manual Volvo VT2214B       |
|                         | Transmission, manual Volvo VTO2214B      |
|                         | Transmission, automated I-Shift AT2512C  |
|                         | Power take off                           |
| FM 13-360 (4x2/6x2/8x2) | Euro 4/5 Inc. D13A 2006-                 |
|                         | Transmission, manual Volvo VT2214B       |
|                         | Transmission, automated I-Shift ATO2512C |
|                         | Transmission, manual Volvo VT(O)2514B    |
|                         | Transmission, manual Volvo VTO2214B      |
|                         | Transmission, manual Volvo VT2514        |
|                         | Transmission, automated I-Shift AT2412C  |
|                         | Transmission, automated I-Shift AT2512C  |
|                         | Transmission, manual Volvo VT2009B       |
|                         | Power take off                           |
| FM 13-360 4x4           | Euro 3 D13A 2006-                        |
|                         | Transmission, automated I-Shift AT2412C  |
|                         | Transmission, automated I-Shift AT2512C  |
|                         | Engine D13A                              |
|                         | Transmission, manual Volvo VTO2214B      |
|                         | Transmission, automated I-Shift ATO2512C |
|                         | Transmission, manual Volvo VT2214B       |
|                         | Transmission, manual Volvo VT2009B       |
|                         | Transferbox Volvo VT2501TB               |
|                         | Power take off                           |

- FM 13-360 4x4 Euro 4/5 Inc. D13A 2006-
  - Transmission, manual Volvo VTO2214B
  - Transmission, manual Volvo VT2214B
  - Transmission, manual Volvo VT2009B
  - Transmission, automated I-Shift ATO2512C
  - Transmission, automated I-Shift AT2412C
  - Transmission, automated I-Shift AT2512C
  - Transferbox Volvo VT2501TB
  - Power take off
- FM 13-380 (4x2/6x2/8x2) Euro 5 D13C 2009-
  - Transmission, manual Volvo VT(O)2214B
  - Transmission, automated I-Shift AT(O)2612D
  - Transmission, automated I-Shift AT2512C
  - Transmission, manual Volvo VT(O)2514B
  - Transmission, automated I-Shift AT2412C/D
  - Transmission, manual Volvo VT2009B
  - Transferbox
  - Power take off
- FM 13-380 (6x4/8x4) Euro 5 D13C 2009-
  - Transmission, manual Volvo VT(O)2214B
  - Transmission, manual Volvo VT2009B
  - Transmission, manual Volvo VT(O)2514B
  - Transmission, automated I-Shift AT2512C
  - Transmission, automated I-Shift AT2412C/D
  - Transmission, automated I-Shift AT(O)2612D
  - Transferbox
  - Power take off
- FM 13-400 (4x2/6x2/8x2) Euro 3 D13A 2006-
  - Transmission, manual Volvo VTO2214B
  - Transmission, manual Volvo VT2514
  - Transmission, manual Volvo VT2009B
  - Transmission, manual Volvo VT(O)2514B
  - Engine D13A
  - Transmission, manual Volvo VT2214B
  - Transmission, automated I-Shift AT2412C
  - Transmission, automated I-Shift ATO2512C
  - Transmission, automated I-Shift AT2512C
  - Power take off
- FM 13-400 (4x2/6x2/8x2) Euro 4/5 Inc. D13A 2006-
  - Transmission, automated I-Shift ATO2512C
  - Transmission, manual Volvo VT2514
  - Transmission, automated I-Shift AT2512C
  - Transmission, manual Volvo VT2214B
  - Transmission, automated I-Shift AT2412C
  - Transmission, manual Volvo VT2009B
  - Transmission, manual Volvo VTO2214B
  - Transmission, manual Volvo VT(O)2514B
  - Power take off
- FM 13-400 (4x2/6x2/8x2) EGR Euro 4/5 Inc. D13B 2008-
  - Transmission, automated I-Shift AT2412C
  - Transmission, manual Volvo VT2214B
  - Transmission, manual Volvo VT2009B
  - Transmission, automated I-Shift AT2512C
  - Transmission, manual Volvo VTO2214B
  - Transmission, automated I-Shift ATO2512C
  - Transmission, manual Volvo VT2514
  - Transmission, manual Volvo VT(O)2514B
  - Retarder Voith FH
  - Retarder RET-TH
  - Power take off
- FM 13-400 (6x4/8x4) Euro 3 D13A 2006-
  - Transmission, automated I-Shift AT2412C
  - Transmission, automated I-Shift ATO2512C
  - Transmission, manual Volvo VT2214B
  - Engine D13A
  - Transmission, automated I-Shift AT2512C
  - Transmission, manual Volvo VTO2214B
  - Transmission, manual Volvo VT2009B
  - Power take off
- FM 13-400 (6x4/8x4) Euro 4/5 Inc. D13A 2006-
  - Transmission, automated I-Shift AT2412C
  - Transmission, manual Volvo VT2214B
  - Transmission, automated I-Shift ATO2512C
  - Transmission, manual Volvo VT2009B
  - Transmission, manual Volvo VT(O)2514B
  - Transmission, automated I-Shift AT2512C
  - Transmission, manual Volvo VT2514
  - Transmission, manual Volvo VTO2214B
  - Power take off
- FM 13-400 (6x4/8x4) EGR Euro 4/5 Inc. D13B 2008-
  - Transmission, automated I-Shift AT2512C
  - Transmission, manual Volvo VT(O)2514B

Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift ATO2512C  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2514  
Retarder RET-TH  
Retarder Voith FH  
Power take off

FM 13-400 4x4 Euro 3 D13A 2006-  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Engine D13A  
Transmission, automated I-Shift ATO2512C  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT2009B  
Transmission, automated I-Shift AT2512C  
Transferbox Volvo VT2501TB  
Power take off

FM 13-400 4x4 Euro 4/5 Inc. D13A 2006-  
Transmission, automated I-Shift ATO2512C  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2009B  
Transmission, manual Volvo VT2214B  
Transferbox Volvo VT2501TB  
Power take off

FM 13-400 6x6 Euro 3 D13A 2006-  
Transmission, manual Volvo VT2009B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift ATO2512C  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift AT2512C  
Engine D13A  
Transmission, manual Volvo VTO2214B  
Transferbox Volvo VT2501TB  
Power take off

FM 13-400 6x6 Euro 4/5 Inc. D13A 2006-  
Transmission, manual Volvo VT2009B  
Transmission, manual Volvo VTO2214B  
Transmission, automated I-Shift AT2512C  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift ATO2512C  
Transmission, manual Volvo VT2214B  
Transferbox Volvo VT2501TB  
Power take off

FM 13-420 (4x2/6x2/8x2) Euro 5 D13C 2009-  
Transmission, automated I-Shift AT2412C/D  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT(O)2612D  
Transmission, manual Volvo VT2009B  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT(O)2214B  
Transferbox  
Power take off

FM 13-420 (6x4/8x4) Euro 5 D13C 2009-  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2412C/D  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT(O)2214B  
Transmission, manual Volvo VT2009B  
Transmission, automated I-Shift AT(O)2612D  
Transferbox  
Power take off

FM 13-420 (4x2/6x2/8x2) Euro 5 EEV D13C 2009-  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT(O)2514B  
Transmission, manual Volvo VT(O)2214B  
Transmission, manual Volvo VT2009B  
Transmission, automated I-Shift AT(O)2612D  
Transmission, automated I-Shift AT2412C/D  
Transferbox  
Power take off

FM 13-420 (6x4/8x4) Euro 5 EEV D13C 2009-  
Transmission, manual Volvo VT(O)2214B  
Transmission, manual Volvo VT2009B  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT(O)2612D  
Transmission, automated I-Shift AT2412C/D  
Transferbox  
Power take off

- FM 13-440 (4x2/6x2/8x2) Euro 3 D13A 2006-
  - Transmission, manual Volvo VT2009B
  - Transmission, manual Volvo VT(O)2514B
  - Transmission, manual Volvo VT2514
  - Transmission, automated I-Shift ATO2512C
  - Transmission, automated I-Shift AT2512C
  - Transmission, manual Volvo VTO2214B
  - Engine D13A
  - Transmission, manual Volvo VT2214B
  - Transmission, automated I-Shift AT2412C
  - Power take off
- FM 13-440 (4x2/6x2/8x2) Euro 4/5 Inc. D13A 2006-
  - Transmission, manual Volvo VT(O)2514B
  - Transmission, automated I-Shift AT2512C
  - Transmission, automated I-Shift AT2412C
  - Transmission, manual Volvo VTO2214B
  - Transmission, manual Volvo VT2009B
  - Transmission, manual Volvo VT2514
  - Transmission, manual Volvo VT2214B
  - Transmission, automated I-Shift ATO2512C
  - Power take off
- FM 13-440 (4x2/6x2/8x2) EGR Euro 4/5 Inc. D13B 2008-
  - Transmission, manual Volvo VTO2214B
  - Transmission, automated I-Shift AT2512C
  - Transmission, manual Volvo VT2514
  - Transmission, manual Volvo VT2214B
  - Transmission, manual Volvo VT(O)2514B
  - Transmission, automated I-Shift AT2412C
  - Transmission, automated I-Shift ATO2512C
  - Retarder Voith FH
  - Retarder RET-TH
  - Power take off
- FM 13-440 (6x4/8x4) Euro 3 D13A 2006-
  - Transmission, automated I-Shift ATO2512C
  - Transmission, manual Volvo VTO2214B
  - Transmission, manual Volvo VT2009B
  - Transmission, automated I-Shift AT2512C
  - Transmission, automated I-Shift AT2412C
  - Transmission, manual Volvo VT2214B
  - Engine D13A
  - Power take off
- FM 13-440 (6x4/8x4) Euro 4/5 Inc. D13A 2006-
  - Transmission, automated I-Shift ATO2512C
  - Transmission, manual Volvo VT2214B
  - Transmission, automated I-Shift AT2512C
  - Transmission, manual Volvo VTO2214B
  - Transmission, automated I-Shift AT2412C
  - Transmission, manual Volvo VT2009B
  - Power take off
- FM 13-440 (6x4/8x4) EGR Euro 4/5 Inc. D13B 2008-
  - Transmission, manual Volvo VT(O)2514B
  - Transmission, automated I-Shift ATO2512C
  - Transmission, automated I-Shift AT2512C
  - Transmission, manual Volvo VTO2214B
  - Transmission, manual Volvo VT2214B
  - Transmission, manual Volvo VT2009B
  - Transmission, manual Volvo VT2514
  - Transmission, automated I-Shift AT2412C
  - Retarder RET-TH
  - Retarder Voith FH
  - Power take off
- FM 13-440 4x4 Euro 3 D13A 2006-
  - Engine D13A
  - Transmission, automated I-Shift ATO2512C
  - Transmission, manual Volvo VT2009B
  - Transmission, manual Volvo VT2214B
  - Transmission, manual Volvo VTO2214B
  - Transmission, automated I-Shift AT2512C
  - Transmission, automated I-Shift AT2412C
  - Transferbox Volvo VT2501TB
  - Power take off
- FM 13-440 4x4 Euro 4/5 Inc. D13A 2006-
  - Transmission, manual Volvo VT2214B
  - Transmission, automated I-Shift AT2412C
  - Transmission, manual Volvo VTO2214B
  - Transmission, automated I-Shift ATO2512C
  - Transmission, manual Volvo VT2009B
  - Transmission, automated I-Shift AT2512C
  - Transferbox Volvo VT2501TB
  - Power take off
- FM 13-440 6x6 Euro 3 D13A 2006-
  - Transmission, automated I-Shift ATO2512C

Engine D13A  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT2009B  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2412C  
Transferbox Volvo VT2501TB  
Power take off

FM 13-440 6x6 Euro 4/5 Inc. D13A 2006-  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VT2009B  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift ATO2512C  
Transferbox Volvo VT2501TB  
Power take off

FM 13-460 (4x2/6x2/8x2) Euro 5 D13C 2009-  
Transmission, automated I-Shift AT2412C/D  
Transmission, manual Volvo VT(O)2214B  
Transmission, automated I-Shift AT2512C  
Transmission, automated I-Shift AT(O)2612D  
Transmission, manual Volvo VT2009B  
Transmission, manual Volvo VT(O)2514B  
Transferbox  
Power take off

FM 13-460 (4x4) Euro 5 D13C 2009-  
Transmission, automated I-Shift AT2512C  
Transmission, automated I-Shift AT2412C/D  
Transmission, manual Volvo VT(O)2214B  
Transmission, manual Volvo VT(O)2514B  
Transferbox  
Power take off

FM 13-460 (6x4/8x4) Euro 5 D13C 2009-  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT(O)2612D  
Transmission, automated I-Shift AT2412C/D  
Transmission, manual Volvo VT(O)2214B  
Transferbox  
Power take off

FM 13-460 (6x6) Euro 5 D13C 2009-  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT(O)2514B  
Transferbox  
Power take off

FM 13-460 (4x2/6x2/8x2) Euro 5 EEV D13C 2009-  
Transmission, manual Volvo VT2009B  
Transmission, automated I-Shift AT(O)2612D  
Transmission, manual Volvo VT(O)2214B  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2412C/D  
Transferbox  
Power take off

FM 13-460 (6x4/8x4) Euro 5 EEV D13C 2009-  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT(O)2514B  
Transmission, manual Volvo VT(O)2214B  
Transmission, automated I-Shift AT2412C/D  
Transmission, automated I-Shift AT(O)2612D  
Power take off

FM 13-480 (4x2/6x2/8x2) Euro 3 D13A 2006-  
Transmission, manual Volvo VT2514  
Engine D13A  
Transmission, manual Volvo VTO2214B  
Transmission, automated I-Shift ATO2512C  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VT2009B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2512C  
Power take off

FM 13-480 (4x2/6x2/8x2) Euro 4/5 Inc. D13A 2006-  
Transmission, manual Volvo VT2009B  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VT2514  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift ATO2512C  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT(O)2514B

- Power take off
- FM 13-480 (6x4/8x4) Euro 3 D13A 2006-
  - Transmission, manual Volvo VT2214B
  - Transmission, automated I-Shift AT2412C
  - Engine D13A
  - Transmission, manual Volvo VTO2214B
  - Transmission, manual Volvo VT2009B
  - Transmission, automated I-Shift ATO2512C
  - Transmission, automated I-Shift AT2512C
  - Power take off
- FM 13-480 (6x4/8x4) Euro 4/5 Inc. D13A 2006-
  - Transmission, manual Volvo VTO2214B
  - Transmission, automated I-Shift AT2412C
  - Transmission, automated I-Shift AT2512C
  - Transmission, automated I-Shift ATO2512C
  - Transmission, manual Volvo VT2009B
  - Transmission, manual Volvo VT2214B
  - Power take off
- FM 13-480 4x4 Euro 3 D13A 2006-
  - Transmission, manual Volvo VT2009B
  - Transmission, automated I-Shift AT2512C
  - Transmission, manual Volvo VTO2214B
  - Transmission, automated I-Shift ATO2512C
  - Transmission, manual Volvo VT2214B
  - Transmission, automated I-Shift AT2412C
  - Engine D13A
  - Transferbox Volvo VT2501TB
  - Power take off
- FM 13-480 4x4 Euro 4/5 Inc. D13A 2006-
  - Transmission, automated I-Shift AT2512C
  - Transmission, manual Volvo VTO2214B
  - Transmission, automated I-Shift ATO2512C
  - Transmission, manual Volvo VT2009B
  - Transmission, manual Volvo VT2214B
  - Transmission, automated I-Shift AT2412C
  - Transferbox Volvo VT2501TB
  - Power take off
- FM 13-480 6x6 Euro 3 D13A 2006-
  - Engine D13A
  - Transmission, manual Volvo VTO2214B
  - Transmission, manual Volvo VT2009B
  - Transmission, automated I-Shift AT2412C
  - Transmission, automated I-Shift ATO2512C
  - Transmission, automated I-Shift AT2512C
  - Transmission, manual Volvo VT2214B
  - Transferbox Volvo VT2501TB
  - Power take off
- FM 13-480 6x6 Euro 4/5 Inc. D13A 2006-
  - Transmission, automated I-Shift AT2512C
  - Transmission, manual Volvo VT2214B
  - Transmission, automated I-Shift ATO2512C
  - Transmission, automated I-Shift AT2412C
  - Transmission, manual Volvo VTO2214B
  - Transmission, manual Volvo VT2009B
  - Transferbox Volvo VT2501TB
  - Power take off
- FM 13-500 (4x2/6x2/8x2) Euro 5 D13C 2009-
  - Transmission, manual Volvo VT(O)2214B
  - Transmission, manual Volvo VT2009B
  - Transmission, automated I-Shift AT2412C/D
  - Transmission, manual Volvo VT(O)2514B
  - Transmission, automated I-Shift AT2512C
  - Transmission, automated I-Shift AT(O)2612D
  - Transferbox
  - Power take off
- FM 13-500 (6x4/8x4) Euro 5 D13C 2009-
  - Transmission, manual Volvo VT(O)2514B
  - Transmission, automated I-Shift AT(O)2612D
  - Transmission, automated I-Shift AT2512C
  - Power take off
- FM 13-500 (4x2/6x2/8x2) Euro 5 EEV D13C 2009-
  - Transmission, manual Volvo VT(O)2514B
  - Transmission, manual Volvo VT2009B
  - Transmission, manual Volvo VT(O)2214B
  - Transmission, automated I-Shift AT2512C
  - Transmission, automated I-Shift AT2412C/D
  - Transmission, automated I-Shift AT(O)2612D
  - Transferbox
  - Power take off
- FM 13-500 (6x4/8x4) Euro 5 EEV D13C 2009-
  - Transmission, automated I-Shift AT(O)2612D
  - Transmission, manual Volvo VT(O)2514B

Transmission, automated I-Shift AT2512C  
Power take off

FMX

FMX 330 Euro 5 (4x2, 6x2, 8x2) D11C 2010-  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2009B  
Power take off

FMX 330 Euro 5 (4x4) D11C 2010-  
Transmission, manual Volvo VT2009B  
Transmission, automated I-Shift AT2512C  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Power take off

FMX 330 Euro 5 (6x6) D11C 2010-  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT2009B  
Power take off

FMX 330 Euro 5 (6x4, 8x4) D11C 2010-  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2009B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2512C  
Power take off

FMX 330 Euro 5 EEV (4x2, 6x2, 8x2) D11C 2010-  
Transmission, manual Volvo VT2009B  
Transmission, automated I-Shift AT2512C  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VTO2214B  
Power take off

FMX 330 Euro 5 EEV (4x4) D11C 2010-  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT2009B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Power take off

FMX 330 Euro 5 EEV (6x6) D11C 2010-  
Transmission, manual Volvo VTO2214B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT2009B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2512C  
Power take off

FMX 330 Euro 5 EEV (6x4, 8x4) D11C 2010-  
Transmission, manual Volvo VT2009B  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2512C  
Transmission, automated I-Shift AT2412C  
Power take off

FMX 370 Euro 5 (4x2, 6x2, 8x2) D11C 2010-  
Transmission, manual Volvo VTO2214B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT2009B  
Power take off

FMX 370 Euro 5 (4x4) D11C 2010-  
Transmission, manual Volvo VT2009B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VTO2214B  
Power take off

FMX 370 Euro 5 (6x6) D11C 2010-  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VTO2214B  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT2009B  
Power take off

FMX 370 Euro 5 (6x4, 8x4) D11C 2010-  
Transmission, automated I-Shift AT2512C



Transmission, manual Volvo VT2009B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VTO2214B  
Power take off

FMX 380 Euro 5 (4x2/6x2/8x2) D13C 2010-  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2009B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift AT2512C  
Power take off

FMX 380 Euro 5 (4x4) D13C 2010-  
Transmission, manual Volvo VT2009B  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift AT2512C  
Power take off

FMX 380 Euro 5 (6x4/8x4) D13C 2010-  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2009B  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift AT2512C  
Power take off

FMX 380 Euro 5 (6x6) D13C 2010-  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT2009B  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2412C  
Power take off

FMX 450 Euro 5 (6x4, 8x4) D11C 2010-  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VTO2214B  
Transmission, automated I-Shift AT2512C  
Transmission, automated I-Shift AT2412C  
Power take off

FMX 410 Euro 5 (4x2, 6x2, 8x2) D11C 2010-  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT2009B  
Power take off

FMX 410 Euro 5 (4x4) D11C 2010-  
Transmission, manual Volvo VT2009B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2512C  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VTO2214B  
Power take off

FMX 410 Euro 5 (6x6) D11C 2010-  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2009B  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT2214B  
Power take off

FMX 410 Euro 5 (6x4, 8x4) D11C 2010-  
Transmission, manual Volvo VTO2214B  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT2009B  
Power take off

FMX 420 Euro 5 (4x2/6x2/8x2) D13C 2010-  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VTO2214B  
Power take off

FMX 420 Euro 5 (4x4) D13C 2010-  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2412C  
Power take off

FMX 420 Euro 5 (6x6) D13C 2010-

Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VTO2214B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VT(O)2514B  
Power take off

FMX 420 Euro 5 (6x4/8x4) D13C 2010-  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2512C  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT(O)2514B  
Power take off

FMX 420 Euro 5 EEV (4x2/6x2/8x2) D13C 2010-  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2512C  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT2214B  
Power take off

FMX 420 Euro 5 EEV (4x4) D13C 2010-  
Transmission, manual Volvo VTO2214B  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT(O)2514B  
Power take off

FMX 420 Euro 5 EEV (6x6) D13C 2010-  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift AT2512C  
Power take off

FMX 420 Euro 5 EEV (6x4/8x4) D13C 2010-  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2512C  
Power take off

FMX 450 Euro 5 (4x2, 6x2, 8x2) D11C 2010-  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2512C  
Power take off

FMX 450 Euro 5 (4x4) D11C 2010-  
Transmission, manual Volvo VTO2214B  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2412C  
Power take off

FMX 450 Euro 5 (6x6) D11C 2010-  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Power take off

FMX 460 Euro 5 (4x2/6x2/8x2) D13C 2010-  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VTO2214B  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT(O)2514B  
Power take off

FMX 460 Euro 5 (4x4) D13C 2010-  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VTO2214B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT(O)2514B  
Power take off

FMX 460 Euro 5 (6x6) D13C 2010-  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2512C  
Power take off

FMX 460 Euro 5 (6x4/8x4) D13C 2010-  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift AT2512C

|   |   |
|---|---|
|   | Transmission, manual Volvo VT(O)2514B   |
|   | Power take off                          |
| FMX 460 (4x2/6x2/8x2) Euro 5 EEV D13C 2010- |   |
|   | Transmission, manual Volvo VT2214B      |
|   | Transmission, manual Volvo VTO2214B     |
|   | Transmission, manual Volvo VT(O)2514B   |
|   | Transmission, automated I-Shift AT2512C |
|   | Transmission, automated I-Shift AT2412C |
|   | Power take off                          |
| FMX 460 Euro 5 EEV (4x4) D13C 2010-         |   |
|   | Transmission, manual Volvo VT(O)2514B   |
|   | Transmission, automated I-Shift AT2512C |
|   | Transmission, manual Volvo VT2214B      |
|   | Transmission, automated I-Shift AT2412C |
|   | Transmission, manual Volvo VTO2214B     |
|   | Power take off                          |
| FMX 460 Euro 5 EEV (6x6) D13C 2010-         |   |
|   | Transmission, automated I-Shift AT2412C |
|   | Transmission, automated I-Shift AT2512C |
|   | Transmission, manual Volvo VT(O)2514B   |
|   | Transmission, manual Volvo VTO2214B     |
|   | Transmission, manual Volvo VT2214B      |
|   | Power take off                          |
| FMX 460 Euro 5 EEV (6x4/8x4) D13C 2010-     |   |
|   | Transmission, manual Volvo VTO2214B     |
|   | Transmission, manual Volvo VT(O)2514B   |
|   | Transmission, automated I-Shift AT2512C |
|   | Transmission, automated I-Shift AT2412C |
|   | Transmission, manual Volvo VT2214B      |
|   | Power take off                          |
| FMX 500 Euro 5 (4x2/6x2/8x2) D13C 2010-     |   |
|   | Transmission, automated I-Shift AT2512C |
|   | Transmission, manual Volvo VT(O)2514B   |
|   | Power take off                          |
| FMX 500 Euro 5 (4x4) D13C 2010-             |   |
|   | Transmission, manual Volvo VT(O)2514B   |
|   | Transmission, automated I-Shift AT2512C |
|   | Power take off                          |
| FMX 500 Euro 5 (6x6) D13C 2010-             |   |
|   | Transmission, manual Volvo VT(O)2514B   |
|   | Transmission, automated I-Shift AT2512C |
|   | Power take off                          |
| FMX 500 Euro 5 (6x4/8x4) D13C 2010-         |   |
|   | Transmission, automated I-Shift AT2512C |
|   | Transmission, manual Volvo VT(O)2514B   |
|   | Power take off                          |
| FMX 500 Euro 5 EEV (4x2/6x2/8x2) D13C 2010- |   |
|   | Transmission, automated I-Shift AT2512C |
|   | Transmission, manual Volvo VT(O)2514B   |
|   | Power take off                          |
| FMX 500 Euro 5 EEV (4x4) D13C 2010-         |   |
|   | Transmission, automated I-Shift AT2512C |
|   | Transmission, manual Volvo VT(O)2514B   |
|   | Power take off                          |
| FMX 500 Euro 5 EEV (6x6) D13C 2010-         |   |
|   | Transmission, automated I-Shift AT2512C |
|   | Transmission, manual Volvo VT(O)2514B   |
|   | Power take off                          |
| FMX 500 Euro 5 EEV (6x4/8x4) D13C 2010-     |   |
|   | Transmission, manual Volvo VT(O)2514B   |
|   | Transmission, automated I-Shift AT2512C |
|   | Power take off                          |
| FH-12                                       |   |
| FH 12-340 (D12A) 1993-1998                  |   |
|   | Engine D12A-340 Euro 2                  |
|   | Engine D12A-340 Euro 1                  |
|   | Retarder Voith                          |
| FH 12-340 (4x2) 1998-1999                   |   |
|   | Engine D12C-340 Euro 2                  |
|   | Retarder Voith                          |
| FH 12-380 (D12A) 1993-1998                  |   |
|   | Engine D12A-380 Euro 1                  |
|   | Engine D12A-380 Euro 2                  |
|   | Retarder Voith                          |
| FH 12-380 (4x2/6x2/6x4/8x2/8x4) 1998-2000   |   |
|   | Engine D12C-380 Euro 2                  |
|   | Retarder Voith                          |
| FH 12-380 (4x2/6x2/8x2) Euro 3 2001-2002    |   |
|   | Engine D12C-380 Euro 3                  |
|   | Retarder RET-TH                         |
|   | Retarder Voith                          |
| FH 12-380 (6x4/8x4) Euro 3 2001-2002        |   |

|                                  |  |
|----------------------------------|--|
|                                  | Engine D12C-380 Euro 3                   |
|                                  | Retarder RET-TH                          |
|                                  | Retarder Voith                           |
| FH 12-380 (4x2/6x2/8x2) Euro 3   | 2002-2006                                |
|                                  | Engine D12D-380                          |
|                                  | Retarder RET-TH                          |
|                                  | Retarder Voith                           |
| FH 12-380 (6x4/8x4) Euro 3       | 2002-2006                                |
|                                  | Engine D12D-380                          |
|                                  | Retarder RET-TH                          |
|                                  | Retarder Voith                           |
| FH 12-420 (D12A)                 | 1993-1998                                |
|                                  | Engine D12A-420 Euro 2                   |
|                                  | Engine D12A-420 Euro 1                   |
|                                  | Retarder Voith                           |
| FH 12-420 (4x2/6x2/6x4/8x2/8x4)  | 1998-2000                                |
|                                  | Engine D12C-420 Euro 2                   |
|                                  | Retarder Voith                           |
| FH 12-420 (4x2/6x2/8x2) Euro 3   | 2001-2002                                |
|                                  | Engine D12C-420 Euro 3                   |
|                                  | Retarder RET-TH                          |
|                                  | Retarder Voith                           |
| FH 12-420 (6x4/8x4) Euro 3       | 2001-2002                                |
|                                  | Engine D12C-420 Euro 3                   |
|                                  | Retarder RET-TH                          |
|                                  | Retarder Voith                           |
| FH 12-420 (4x2/6x2/8x2) Euro 3   | 2002-2006                                |
|                                  | Engine D12D-420                          |
|                                  | Retarder RET-TH                          |
|                                  | Retarder Voith                           |
| FH 12-420 (6x4/8x4) Euro 3       | 2002-2006                                |
|                                  | Engine D12D-420                          |
|                                  | Retarder RET-TH                          |
|                                  | Retarder Voith                           |
| FH 12-460 (4x2/6x2/6x4/8x2/8x4)  | 1998-2000                                |
|                                  | Engine D12C-460 Euro 2                   |
|                                  | Retarder Voith                           |
| FH 12-460 (4x2/6x2/8x2) Euro 3   | 2001-2002                                |
|                                  | Engine D12C-460 Euro 3                   |
|                                  | Retarder RET-TH                          |
|                                  | Retarder Voith                           |
| FH 12-460 (6x4/8x4) Euro 3       | 2001-2002                                |
|                                  | Engine D12C-460 Euro 3                   |
|                                  | Retarder RET-TH                          |
|                                  | Retarder Voith                           |
| FH 12-460 (4x2/6x2/8x2) Euro 3   | 2002-2006                                |
|                                  | Engine D12D-460                          |
|                                  | Retarder RET-TH                          |
|                                  | Retarder Voith                           |
| FH 12-460 (6x4/8x4) Euro 3       | 2002-2006                                |
|                                  | Engine D12D-460                          |
|                                  | Retarder RET-TH                          |
|                                  | Retarder Voith                           |
| FH 12-500 (4x2/6x2/8x2) Euro 3   | 2002-2006                                |
|                                  | Engine D12D-500                          |
|                                  | Retarder RET-TH                          |
|                                  | Retarder Voith                           |
| FH 12-500 (6x4/8x4) Euro 3       | 2002-2006                                |
|                                  | Engine D12D-500                          |
|                                  | Retarder RET-TH                          |
|                                  | Retarder Voith                           |
| FH-13                            |  |
| FH 13-400 (4x2/6x2/8x2) SCR D13A | 2006-                                    |
|                                  | Transmission, manual Volvo VT2214B       |
|                                  | Transmission, automated I-Shift AT2412C  |
|                                  | Transmission, manual Volvo VTO2214B      |
|                                  | Transmission, manual Volvo VT2009B       |
|                                  | Transmission, manual Volvo VT(O)2514B    |
|                                  | Transmission, automated I-Shift ATO2512C |
|                                  | Transmission, automated I-Shift AT2512C  |
|                                  | Transmission, manual Volvo VT2514        |
|                                  | Retarder RET-TH                          |
|                                  | Retarder Voith FH                        |
|                                  | Power take off                           |
| FH 13-400 (4x2/6x2/8x2) EGR D13B | 2007-                                    |
|                                  | Transmission, manual Volvo VT(O)2514B    |
|                                  | Transmission, manual Volvo VT2009B       |
|                                  | Transmission, automated I-Shift AT2412C  |
|                                  | Transmission, automated I-Shift AT2512C  |
|                                  | Transmission, manual Volvo VTO2214B      |
|                                  | Transmission, manual Volvo VT2514        |
|                                  | Transmission, automated I-Shift ATO2512C |

Transmission, manual Volvo VT2214B  
Retarder RET-TH  
Retarder Voith FH  
Power take off

FH 13-400 (6x4/8x4) SCR D13A 2006-  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift ATO2512C  
Transmission, manual Volvo VT2514  
Transmission, manual Volvo VT2009B  
Retarder Voith FH  
Retarder RET-TH  
Power take off

FH 13-400 (6x4/8x4) EGR D13B 2007-  
Transmission, manual Volvo VTO2214B  
Transmission, automated I-Shift ATO2512C  
Transmission, manual Volvo VT2514  
Transmission, manual Volvo VT(O)2514B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2512C  
Transmission, automated I-Shift AT2412C  
Retarder Voith FH  
Retarder RET-TH  
Power take off

FH 13-420 (4x2/6x2/8x2) D13C 2009-  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT(O)2514B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift AT2512C  
Power take off

FH 13-420 (4x2/6x2/8x2) EEV D13C 2009-  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Power take off

FH 13-420 (6x4/8x4) D13C 2009-  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VTO2214B  
Power take off

FH 13-420 (6x4/8x4) EEV D13C 2009-  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VTO2214B  
Power take off

FH 13-440 (4x2/6x2/8x2) SCR D13A 2006-  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VT2009B  
Transmission, automated I-Shift ATO2512C  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT(O)2514B  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2514  
Transmission, automated I-Shift AT2512C  
Retarder RET-TH  
Retarder Voith FH  
Power take off

FH 13-440 (4x2/6x2/8x2) EGR D13B 2007-  
Transmission, automated I-Shift ATO2512C  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT2514  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VTO2214B  
Retarder RET-TH  
Retarder Voith FH  
Power take off

FH 13-440 (6x4/8x4) EGR D13B 2007-  
Transmission, automated I-Shift ATO2512C  
Transmission, manual Volvo VT2514  
Transmission, manual Volvo VT2214B

Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2512C  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT2009B  
Retarder RET-TH  
Retarder Voith FH  
Power take off

FH 13-460 (4x2/6x2/8x2) D13C 2009-  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT(O)2514B  
Power take off

FH 13-460 (4x2/6x2/8x2) EEV D13C 2009-  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VTO2214B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VT(O)2514B  
Power take off

FH 13-460 (6x4/8x4) D13C 2009-  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VT(O)2514B  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VTO2214B  
Transmission, automated I-Shift AT2512C  
Power take off

FH 13-460 (6x4/8x4) EEV D13C 2009-  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2412C  
Power take off

FH 13-480 (4x2/6x2/8x2) D13A 2006-  
Transmission, manual Volvo VT(O)2514B  
Transmission, manual Volvo VT2514  
Transmission, automated I-Shift ATO2512C  
Transmission, manual Volvo VT2214B  
Transmission, automated I-Shift AT2412C  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT2009B  
Transmission, automated I-Shift AT2512C  
Retarder Voith FH  
Retarder RET-TH  
Power take off

FH 13-500 (4x2/6x2/8x2) EGR D13B 2007-  
Transmission, manual Volvo VT2514  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VTO2214B  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2412C  
Transmission, automated I-Shift ATO2512C  
Transmission, automated I-Shift AT2512C  
Retarder RET-TH  
Retarder Voith FH  
Power take off

FH 13-500 (4x2/6x2/8x2) D13C 2009-  
Transmission, automated I-Shift AT2512C  
Transmission, manual Volvo VT(O)2514B  
Power take off

FH 13-500 (6x4/8x4) EGR D13B 2007-  
Transmission, automated I-Shift ATO2512C  
Transmission, manual Volvo VT2514  
Transmission, manual Volvo VT(O)2514B  
Transmission, manual Volvo VT2214B  
Transmission, manual Volvo VTO2214B  
Transmission, automated I-Shift AT2512C  
Transmission, automated I-Shift AT2412C  
Retarder RET-TH  
Retarder Voith FH  
Power take off

FH 13-500 (6x4/8x4) D13C 2009-  
Transmission, manual Volvo VT(O)2514B  
Transmission, automated I-Shift AT2512C  
Power take off

FH 13-520 (4x2/6x2/8x2) D13A 2006-  
Transmission, manual Volvo VT2514  
Transmission, automated I-Shift AT2512C  
Transmission, automated I-Shift ATO2512C

Transmission, automated I-Shift AT2412C  
 Transmission, manual Volvo VT2214B  
 Transmission, manual Volvo VTO2214B  
 Transmission, manual Volvo VT2009B  
 Transmission, manual Volvo VT(O)2514B  
 Retarder Voith FH  
 Retarder RET-TH  
 Power take off  
 FH 13-500 (4x2/6x2/8x2) EEV D13C 2009-  
 Transmission, automated I-Shift AT2512C  
 Transmission, manual Volvo VT(O)2514B  
 Power take off  
 FH 13-500 (6x4/8x4) EEV D13C 2009-  
 Transmission, automated I-Shift AT2512C  
 Transmission, manual Volvo VT(O)2514B  
 Power take off  
 FH 13-540 (4x2/6x2/8x2) D13C 2009-  
 Transmission, automated I-Shift AT2512C  
 Transmission, manual Volvo VT2814B  
 Power take off  
 FH 13-540 (6x4/8x4) D13C 2009-  
 Transmission, manual Volvo VT2814B  
 Transmission, automated I-Shift AT2512C  
 Power take off  
 FH-16  
 FH 16-470 D16A 1993-1998  
 Engine D16A470 Euro 1  
 Engine D16A470 Euro 2  
 FH 16-520 D16A 1993-2001  
 Engine D16A520 Euro 1  
 Engine D16A520 Euro 2  
 FH 16-540 (4x2/6x2/8x2) D16E 2007-  
 Transmission, automated I-Shift AT2812C  
 Transmission, automated I-Shift ATO3112C  
 Transmission, manual Volvo VT2814B  
 Transmission, manual Volvo VTO2814B  
 Retarder Voith FH  
 Retarder RET-TH  
 Power take off  
 FH 16-550 Euro 3 D16C 2003-2006  
 Engine D16C Euro 3  
 Retarder RET-TH  
 Power take off  
 FH 16-580 (6x4/8x4) D16E 2006-  
 Transmission, automated I-Shift ATO3112C  
 Transmission, manual Volvo VT2814B  
 Transmission, automated I-Shift AT2812C  
 Transmission, manual Volvo VTO2814B  
 Retarder Voith FH  
 Retarder RET-TH  
 Power take off  
 FH 16-580 (4x2/6x2/8x2) D16E 2006-  
 Transmission, manual Volvo VTO2814B  
 Transmission, automated I-Shift ATO3112C  
 Transmission, manual Volvo VT2814B  
 Transmission, automated I-Shift AT2812C  
 Retarder RET-TH  
 Retarder Voith FH  
 Power take off  
 FH 16-610 Euro 3 D16C 2003-2006  
 Engine D16C Euro 3  
 Retarder RET-TH  
 Power take off  
 FH 16-660 (4x2/6x2/8x2) D16E 2006-  
 Transmission, automated I-Shift ATO3112C  
 Transmission, manual Volvo VT2814B  
 Transmission, manual Volvo VTO2814B  
 Retarder RET-TH  
 Retarder Voith FH  
 Power take off  
 FH 16-700 (6x4/8x4) D16G 2009-  
 Transmission, automated I-Shift ATO3112D  
 Power take off  
 FH  
 FH 420 (4x2/6x2/8x2) Euro 5/EEV D13C 2012-  
 Transmission, automated I-Shift ATO2612D  
 Transmission, manual Volvo VT(O)2514B  
 Transmission, manual Volvo VT2514B  
 Transmission, manual Volvo VT2214B  
 Transmission, automated I-Shift AT2412D  
 Transmission, manual Volvo VTO2214B  
 Transmission, automated I-Shift AT2612D

- Power take off
- FH 460 (4x2/6x2/8x2) Euro 5/EEV D13C 2012-
  - Transmission, automated I-Shift AT2612D
  - Transmission, automated I-Shift AT2412D
  - Transmission, manual Volvo VT(O)2514B
  - Transmission, automated I-Shift ATO2612D
  - Transmission, manual Volvo VT2514B
  - Power take off
- FH 460 (4x2/6x2/8x2) Euro 6 D13K 2012-
  - Transmission, automated I-Shift AT2612D
  - Power take off
- FH 500 (4x2/6x2/8x2) Euro 5/EEV D13C 2012-
  - Transmission, manual Volvo VT2514B
  - Transmission, automated I-Shift ATO2612D
  - Transmission, automated I-Shift AT2612D
  - Transmission, manual Volvo VT(O)2514B
  - Power take off
- FH 540 (4x2/6x2/8x2) Euro 5/EEV D13C 2012-
  - Transmission, automated I-Shift AT2612D
  - Transmission, manual Volvo VT2814B
  - Transmission, automated I-Shift ATO2612D
  - Transmission, manual Volvo VTO2814B
  - Power take off
- FH 540 (4x2/6x2/8x2) Euro 5/EEV D16G 2012-
  - Transmission, manual Volvo VT2814B
  - Transmission, automated I-Shift ATO3112D
  - Transmission, manual Volvo VTO2814B
  - Transmission, automated I-Shift AT2812D
  - Power take off
- FH 600 (4x2/6x2/8x2) Euro 5/EEV D16G 2012-
  - Transmission, manual Volvo VTO2814B
  - Transmission, manual Volvo VT2814B
  - Transmission, automated I-Shift ATO3112D
  - Transmission, automated I-Shift AT2812D
  - Power take off
- FH 700 (4x2/6x2/8x2) Euro 5/EEV D16G 2012-
  - Transmission, automated I-Shift ATO3112D
  - Power take off
- FH 750 (4x2/6x2/8x2) Euro 5/EEV D16G 2012-
  - Transmission, automated I-Shift ATO3512D
  - Power take off
- NH-12 Euro 3
  - NH 12-340 (D12C) Euro 3 2000-2006
    - Engine D12C-340 Euro 3
    - Retarder RET-TH
    - Retarder Voith
  - NH 12-380 (D12C) Euro 3 2000-2006
    - Engine D12C-380 Euro 3
    - Retarder RET-TH
    - Retarder Voith
  - NH 12-420 (D12C) Euro 3 2000-2006
    - Engine D12C-420 Euro 3
    - Retarder RET-TH
    - Retarder Voith
  - NH 12-460 (D12C) Euro 3 2000-2006
    - Engine D12C-460 Euro 3
    - Retarder RET-TH
    - Retarder Voith
- Buses & Coaches
  - Super Olympian 1998-2004
    - Engine D10A 285
  - B 12-600 Euro Comet 1995-2001
    - Transmission, manual G8-EGS
    - Engine D12A 420 Euro 2
  - 5000/7000 1999-2005
    - Engine D7C250
    - Engine D7C215
    - Engine D7C290
    - Engine D7C310
    - Retarder RET-TH
    - Retarder RET-120
  - 8500/8700 (7 litre) 2002-2006
    - Engine D7C275 Euro 3
    - Engine D7C290 Euro 3
  - 8500/8700 (12 litre) 2002-2006
    - Engine DH12D 420
    - Engine DH12D 340
    - Engine DH12D 380
    - Retarder RET-120
    - Retarder RET-TH
  - 8500/8700 (12 litre) 2006-
    - Transmission, automated I-Shift AT2412C



|                           |           |  |
|---------------------------|-----------|--|
|                           |           | Transmission, automated I-Shift VT2412B  |
| 9900/9700                 | 2002-     | Engine DH12D 420<br>Engine DH12D 380<br>Engine DH12D 340<br>Retarder RET-120<br>Retarder RET-TH                  |
| Bus-chassis               |           |  |
| B 6 B/LE                  | 1995-2001 | Engine D6A210<br>Engine D6A180   |
| B 7 L Single-deck         | 2002-2009 | Engine D7C250<br>Retarder RET-TH<br>Retarder RET-120   |
| B 7 L Double-deck         | 2002-2009 | Engine D7C215<br>Engine D7C250<br>Retarder RET-TH<br>Retarder RET-120  |
| B 7 R                     | 1997-2001 | Engine D7B230<br>Engine D7B260<br>Engine D7A285  |
| B 7 R                     | 2002-2009 | Engine D7C275<br>Engine D7C290   |
| B 7 R Euro 4 / Euro 5     | 2009-     | Transmission, manual EGS V/VR  |
| B 7 L Articulated         | 2002-2009 | Engine D7C275<br>Retarder RET-120<br>Retarder RET-TH   |
| B 10 B/LE Euro 2          | 1995-1998 | Engine D10A 285<br>Engine D10A 360   |
| B 12 B                    | 1995-2001 | Engine D12A/C 380<br>Engine D12A/C 420<br>Engine D12A/C 340  |
| B 12 B Euro 3             | 2002-2009 | Engine DH12D 380<br>Engine DH12D 340<br>Engine DH12D 420<br>Retarder RET-TH<br>Retarder RET-120                  |
| B 12 B Euro 4 / Euro 5    | 2009-     | Transmission, manual ZF 6S-1900<br>Transmission, automated I-Shift AT2412C<br>Transmission, manual Volvo VT2214B |
| B 12 BLE Euro 4 / Euro 5  | 2009-     | Transmission, manual ZF 6S-1900<br>Transmission, automated I-Shift AT2412C<br>Transmission, manual Volvo VT2214B |
| B 12 BLEA Euro 4 / Euro 5 | 2009-     | Transmission, automated I-Shift AT2412C<br>Transmission, manual ZF 6S-1900<br>Transmission, manual Volvo VT2214B |
| B 12 M                    | 1995-2001 | Engine D12A/C 380<br>Engine DH12C 340<br>Engine D12A/C 420   |
| B 12 M Euro 3             | 2002-2009 | Engine DH12D 340<br>Retarder RET-120<br>Retarder RET-TH  |
| B 12 M Euro 4 / Euro 5    | 2009-     | Transmission, manual Volvo VT2214B<br>Transmission, automated I-Shift AT2412C<br>Transmission, manual ZF 6S-1900 |
| B 12 MA Euro 4 / Euro 5   | 2009-     | Transmission, automated I-Shift AT2412C<br>Transmission, manual ZF 6S-1900<br>Transmission, manual Volvo VT2214B |
| Volvo USA                 |           |  |
|                           | VN series |  |
| VN 610                    | 2000-2003 | Transmission, manual, 9, 10, 13 speed Meritor<br>Transmission Spicer PSO-175-18A                                 |
| VN 660                    | 2000-2003 | Transmission, manual, 9, 10, 13 speed Meritor<br>Transmission Spicer PSO-175-18A                                 |

# Lubricant Report

|   |                           |              |  |
|---|---------------------------|--------------|--|
|   | VN 770                    | 1999-2003    | Transmission, manual, 9, 10, 13 speed Meritor<br>Transmission Spicer PSO-175-18A |
| VHD series  | VHD                       | 1999-2003    | Transmission, manual, 9, 10, 13 speed Meritor<br>Transmission Spicer PSO-175-18A |
| <b>Trucks and Buses of the People's Republic of China</b> |                           |              |  |
| FAW   |                           |              |  |
|   | Medium and Heavy trucks   |              |  |
|   | CA1083P9                  | 4x2 (Euro 2) | -<br>Engine CA4DF3-13E3  |
|   | CA1123P9                  | 4x2          | -<br>Engine CA4DF3-13E3  |
|   | CA3071PK2                 | 4x2          | -<br>Engine CA4DF2D-14   |
|   | CA3121PK2                 | 4x2          | -<br>Engine CA6DF2D-18   |
| <b>Agricultural Equipment</b>                             |                           |              |  |
| Amazone   |                           |              |  |
|   | Profihopper               |              |  |
|   | PH04                      | -            | Engine Lombardini FOCS<br>Hydrostatic drive                                      |
| Antonio Carraro   |                           |              |  |
|   | Ergit Series (2090)       |              |  |
|   | TTR 6400                  | 2000-        | Engine   |
|   | TTR 7400                  | 2000-        | Engine   |
|   | TTR 9400                  | 2000-        | Engine   |
|   | SRX 6400                  | 2000-        | Engine   |
|   | SRX 8400                  | 2000-        | Engine   |
|   | TC 5400                   | 2000-        | Engine   |
|   | TC 6400                   | 2000-        | Engine   |
|   | TF 7400                   | 2000-        | Engine   |
|   | TF 8400                   | 2000-        | Engine   |
|   | TF 9400                   | 2000-        | Engine   |
|   | TRF 7400                  | 2000-        | Engine   |
|   | TRF 8400                  | 2000-        | Engine   |
|   | TRX 6400                  | 2000-        | Engine   |
|   | TRX 7400                  | 2000-        | Engine   |
|   | TRX 8400                  | 2000-        | Engine   |
|   | TRX 9400                  | 2000-        | Engine   |
|   | TRG 7400                  | 2000-        | Engine   |
|   | TRG 9400                  | 2000-        | Engine   |
|   | Country Series (17)       |              |  |
|   | Tigre Country 3700        | 2000-        | Transmission, front<br>Engine  |
|   | Tigre Country 4300        | 2000-        | Engine<br>Transmission, front  |
|   | Supertrac HTM Series (35) |              |  |
|   | HTM 5400                  | 1998-        | Engine<br>Transmission, front  |
|   | HTM 5600                  | 1998-        | Engine<br>Transmission, front  |
|   | HTM 7700                  | 1998-        | Engine<br>Transmission, front  |
|   | HTM 8400                  | 1998-        |  |

|  |  |
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|  | Engine   |
|  | Transmission, front                              |
| Supertigre/Tigretrac/Tigrone Series (22) |  |
| Tigrone Normal 5500                      | 1994-<br>Engine HR 394 HP<br>Transmission, front |
| Tigrone Normal 7700                      | 1994-<br>Engine HR 394 HT<br>Transmission, front |
| Tigrone Frutteto 7700                    | 1994-<br>Engine HR 394 HT<br>Transmission, front |
| Tigrone Frutteto 8008                    | 1994-<br>Engine HR 494 H<br>Transmission, front  |
| Tigrone 4x4 7700                         | 1994-<br>Engine HR 394 HT<br>Transmission, front |
| Tigrone 4x4 8008                         | 1994-<br>Engine HR 494 H<br>Transmission, front  |
| Tigretrac 5500                           | 1994-<br>Engine HR 394 H<br>Transmission, front  |
| Tigretrac 7700                           | 1994-<br>Engine HR 394 HT<br>Transmission, front |
| Tigretrac 8008                           | 1997-<br>Engine HR 494 H<br>Transmission, front  |
| Supertigre 5500 Normal                   | 1997-<br>Transmission, front<br>Engine HR 394 H  |
| Supertigre 5500 Normal 4x4               | 1997-<br>Transmission, front<br>Engine HR 394 H  |
| Supertigre 5500 Normal Vigneto           | 1997-<br>Engine HR 394 H<br>Transmission, front  |
| Supertigre 5500 Normal Vigneto 4x4       | 1997-<br>Engine HR 394 H<br>Transmission, front  |
| Supertigre 7700 Normal                   | 1997-<br>Engine HR 394 HT<br>Transmission, front |
| Supertigre 7700 Normal 4x4               | 1997-<br>Engine HR 394 HT<br>Transmission, front |
| Supertigre 7700 Normal Vigneto           | 1997-<br>Engine HR 394 HT<br>Transmission, front |
| Supertigre 7700 Normal Vigneto 4x4       | 1997-<br>Engine HR 394 HT<br>Transmission, front |
| Supertigre 8008 Normal                   | 1997-<br>Engine HR 494 H<br>Transmission, front  |
| Supertigre 8008 Normal 4x4               | 1997-<br>Engine HR 494 H<br>Transmission, front  |
| Supertigre 8008 Normal Vigneto           | 1997-<br>Engine HR 494 H<br>Transmission, front  |
| Supertigre 8008 Normal Vigneto 4x4       | 1997-<br>Engine HR 494 H<br>Transmission, front  |
| Tigretrac Series (30)                    |  |
| Tigretrac TTR 4400 (4WS)                 | 1999-<br>Engine<br>Transmission, front           |
| Claas                                    |  |
| Jaguar                                   |  |
| Jaguar 8500                              | 2003-<br>Engine Mercedes-Benz OM441LA            |
| Jaguar 930 494                           | 2009-<br>Engine Mercedes-Benz OM460LA            |
| Jaguar 940 494                           | 2009-<br>Engine Mercedes-Benz OM502LA            |
| Jaguar 950 494                           | 2009-<br>Engine Mercedes-Benz OM502LA            |
| Jaguar 960 494                           | 2009-<br>Engine Mercedes-Benz OM502LA            |

|            |  |  |
|------------|--|--|
|            | Jaguar 970 494 2009-                         | Engine Mercedes-Benz OM460LA<br>Engine, second Mercedes-Benz OM460LA |
|            | Jaguar 980 494 2009-                         | Engine Mercedes-Benz OM460LA<br>Engine, second Mercedes-Benz OM460LA |
| Lexion 500 | Lexion 580 586 2003-                         | Engine Mercedes-Benz OM502LA   |
| Lexion 600 | Lexion 600 589 -                             | Engine Mercedes-Benz OM502LA   |
| Lexion 700 | Lexion 770 / TerraTrac 2012-                 | Engine Mercedes-Benz OM502LA   |
| Medion     | Medion 310 932 - Mercedes-Benz OM906LA 2001- | Engine Mercedes-Benz OM906LA   |
|            | Medion 330 932 - Mercedes-Benz OM906LA 2001- | Engine Mercedes-Benz OM906LA   |
|            | Medion 340 934 - Mercedes-Benz OM906LA 2001- | Engine Mercedes-Benz OM906LA   |
| Tucano     | Tucano 320 (Tier 3) 2009-                    | Engine Mercedes-Benz OM906LA   |
|            | Tucano 320 (Tier 4i) 2009-                   | Engine Mercedes-Benz OM926LA Tier III E3A/B/A1                       |
|            | Tucano 330 (Tier 4i) 2009-                   | Engine Mercedes-Benz OM926LA Tier III E3A/B/A1                       |
|            | Tucano 340 (Tier 3) 2009-                    | Engine Mercedes-Benz OM906LA   |
|            | Tucano 340 (Tier 4i) 2009-                   | Engine Mercedes-Benz OM926LA Tier III E3A/B/A1                       |
|            | Tucano 420 (Tier 4i) 2009-                   | Engine Mercedes-Benz OM926LA Tier III E3A/B/A1                       |
|            | Tucano 430 (Tier 3) 2009-                    | Engine Mercedes-Benz OM906LA   |
|            | Tucano 430 (Tier 4i) 2009-                   | Engine Mercedes-Benz OM926LA Tier III E3A/B/A1                       |
|            | Tucano 440 (Tier 3) 2009-                    | Engine Mercedes-Benz OM906LA   |
|            | Tucano 440 (Tier 4i) 2009-                   | Engine Mercedes-Benz OM926LA Tier III E3A/B/A1                       |
|            | Tucano 450 (Tier 3) 2009-                    | Engine Mercedes-Benz OM906LA   |
|            | Tucano 450 (Tier 4i) 2009-                   | Engine Mercedes-Benz OM926LA Tier III E3A/B/A1                       |
|            | Tucano 470 / 480 (Tier 4i) 2013-             | Engine Mercedes-Benz OM926LA Tier III E3A/B/A1                       |
| Deutz-Fahr | Agrotron 120-180.7                           |  |
|            | Agrotron 120 2006-                           | Engine Deutz BF6M-2012C  |
|            | Agrotron 130 2006-                           | Engine Deutz BF6M-2012C  |
|            | Agrotron 150 2006-                           | Engine Deutz BF6M-2012C  |
|            | Agrotron 150.7 2006-                         | Engine Deutz BF6M-1013EC   |
|            | Agrotron 165.7 2006-                         | Engine Deutz BF6M-1013EC   |
|            | Agrotron 180.7 2006-                         | Engine Deutz BF6M-1013EC   |
|            | Agrotron TTV                                 |  |
|            | 1130 TTV 2002-2008                           | Engine Deutz BF6M-1013E  |
|            | 1145 TTV 2002-2008                           | Engine Deutz BF6M-1013E  |
|            | 1160 TTV 2002-2008                           | Engine Deutz BF6M-1013E  |
| Ferrari    | Vipar Series                                 |  |
|            | VIPAR 30 RS 1998-                            | Engine Lombardini LDW 1003   |
|            | VIPAR 30 AR 1998-                            | Engine Lombardini LDW 1003   |
|            | VIPAR 40 RS 1998-                            | Engine Lombardini LDW 1404   |
|            | VIPAR 40 AR 1998-                            | Engine Lombardini LDW 1404   |
|            | Raptor Series                                |  |
|            | RAPTOR 30 DT 1998-                           |  |

|           |          |                                   |   |
|-----------|----------|-----------------------------------|---|
|           |          | RAPTOR 40 DT                      | Engine Lombardini LDW 1003<br>1998-<br>Engine Lombardini LDW 1404 |
| Grimme    |          |                                   |   |
|           | Varitron |                                   |   |
|           |          | Varitron 270 (+ FAME)             | 65100262-> 2011-<br>Chain lubricator                              |
|           |          | Varitron 270 (+ FAME + MK21/MK04) | 65100262-> 2011-<br>Chain lubricator                              |
| Hürlimann |          |                                   |   |
|           | Prince   |                                   |   |
|           |          | Prince 325                        | 1997-<br>Engine Mitsubishi K3F-D                                  |
|           |          | Prince 335                        | 1997-<br>Engine 500.3   |
|           |          | Prince 435                        | 1997-<br>Engine Mitsubishi K4F-D                                  |
|           |          | Prince 445                        | 1997-<br>Engine Mitsubishi K4F-DT                                 |
|           | XA       |                                   |   |
|           |          | XA 655 (DT)                       | 2000-<br>Engine Perkins 1000.3-A                                  |
|           |          | XA 656 (DT)                       | 2000-<br>Engine Perkins 1000.3-AT                                 |
|           |          | XA 657 (DT)                       | 2000-<br>Engine Perkins 1000.4-A                                  |
|           |          | XA 658 (DT)                       | 2000-<br>Engine Perkins 1000.4-AT                                 |
|           | XF       |                                   |   |
|           |          | XF.55                             | 2004-2009<br>Engine Perkins 1000.3-W                              |
|           |          | XF.70                             | 2004-2009<br>Engine Perkins 1000.3-WT                             |
|           |          | XF.75                             | 2004-2009<br>Engine Perkins 1000.4-W                              |
|           |          | XF.90                             | 2004-2009<br>Engine Perkins 1000.4-WT                             |
|           |          | XF.100                            | 2004-2009<br>Engine Perkins 1000.4-WT                             |
|           | XF-H     |                                   |   |
|           |          | XF-H55                            | 2004-2009<br>Engine Perkins 1000.3-W                              |
|           |          | XF-H70                            | 2004-2009<br>Engine Perkins 1000.3-WT                             |
|           |          | XF-H75                            | 2004-2009<br>Engine Perkins 1000.4-W                              |
|           |          | XF-H90                            | 2004-2009<br>Engine Perkins 1000.4-WT                             |
|           |          | XF-H100                           | 2004-2009<br>Engine Perkins 1000.4-WT                             |
|           | XL       |                                   |   |
|           |          | XL 130                            | 2006-2009<br>Engine Deutz BF6M-2012C                              |
|           |          | XL 150                            | 2006-2009<br>Engine Deutz BF6M-2012C                              |
|           |          | XL 150.7                          | 2006-2009<br>Engine Deutz BF6M-1013EC                             |
|           |          | XL 165.7                          | 2006-2009<br>Engine Deutz BF6M-1013EC                             |
|           |          | XL 180.7                          | 2006-2009<br>Engine Deutz BF6M-1013EC                             |
|           | XM       |                                   |   |
|           |          | XM100                             | 2006-2009<br>Engine   |
|           |          | XM110                             | 2006-2009<br>Engine   |
|           |          | XM120                             | 2006-2009<br>Engine   |
|           | XN       |                                   |   |
|           |          | XN 706                            | 1998-<br>Engine Perkins 1000.3-W1                                 |
|           |          | XN 707                            | 1998-<br>Engine Perkins 1000.3-WT1                                |
|           |          | XN 708                            | 1998-<br>Engine Perkins H-1000.4 W3                               |
|           |          | XN 709                            | 1998-<br>Engine Perkins 1000.4-WT1                                |
|           | XS       |                                   |   |
|           |          | XS70                              | 2005-2009<br>Engine Perkins 1000.3-WT                             |
|           |          | XS75                              | 2005-2009<br>Engine Perkins 1000.4-W                              |

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|----------|--|-----------|----------------------------|
|          | XS90                                   | 2005-2009 | Engine Perkins 1000.4-WT   |
|          | XS100                                  | 2005-2009 | Engine Perkins 1000.4-WT   |
| XT       | XT 908 (4WD)                           | 1997-2004 | Engine Perkins 1000.4-WT3  |
|          | XT 909 (4WD)                           | 1997-2004 | Engine Perkins 1000.4-WT2  |
|          | XT 910.4 (4WD)                         | 1997-2004 | Engine Perkins 1000.4-WT1  |
|          | XT 910.6 (4WD)                         | 1997-2004 | Engine Perkins 1000.6-W1   |
|          | XT 911 (4WD)                           | 1997-2004 | Engine Perkins 1000.6-WT   |
|          | XT 913 (4WD)                           | 1997-2004 | Engine Perkins 1000.6-WT   |
|          | XT85                                   | 2005-2009 | Engine Perkins 1000.4-WT9  |
|          | XT95                                   | 2005-2009 | Engine Perkins 1000.4-WT8  |
|          | XT105                                  | 2005-2009 | Engine Perkins 1000.6-W4   |
|          | XT110                                  | 2005-2009 | Engine Perkins 1000.4-WT11 |
|          | XT115                                  | 2005-2009 | Engine Perkins 1000.6-WT4  |
|          | XT130                                  | 2005-2009 | Engine Perkins 1000.6-WT5  |
| SX       | SX 1200                                | 1999-     | Engine Perkins 1000.6-WT   |
|          | SX 1350                                | 1999-     | Engine Perkins 1000.6-WT   |
|          | SX 1500                                | 1999-     | Engine Perkins 1000.6-WT1  |
|          | SX 1600                                | 2000-     | Engine Perkins 1000.6-WT1  |
|          | SX 1800                                | 2000-     | Engine Perkins 1000.6-WT1  |
|          | SX 2000                                | 2000-     | Engine Perkins 1000.6-WT1  |
| Jacobsen | Ride-on Green and Fairway Mowers       |           |                            |
|          | LF550 4x2 67978                        | -         | Engine Kubota V1505-E3B    |
|          | LF550 4x4 67979                        | -         | Engine Kubota V1505-E3B    |
|          | LF550 Turbo 4x4 67980                  | -         | Engine Kubota V1505-T-E3B  |
|          | LF570 4x2 67981                        | -         | Engine Kubota V1505-E3B    |
|          | LF570 4x4 67982                        | -         | Engine Kubota V1505-E3B    |
|          | LF570 Turbo 4x4 67983                  | -         | Engine Kubota V1505-T-E3B  |
|          | Super LF1880 4x2 Tier II 67923         | -         | Engine Kubota D1105-E      |
|          | Super LF1880 4x4 Tier II 67924         | -         | Engine Kubota D1105-E      |
|          | Super LF1880 Turbo 4x4 Tier II 67938   | -         | Engine Kubota D1105-T-E3B  |
|          | Super LF1880 4x2 Tier IIIb 67955       | -         | Engine Kubota D1105-E3B    |
|          | Super LF1880 4x4 Tier IIIb 67956       | -         | Engine Kubota D1105-E3B    |
|          | Super LF1880 Turbo 4x4 Tier IIIb 67957 | -         | Engine Kubota D1105-T-E3B  |
|          | LF3400 4x2 Tier II 67868/67945         | -         | Engine Kubota V1305-E      |
|          | LF3400 4x4 Tier II 67869/67946         | -         | Engine Kubota V1305-E      |
|          | LF3400 4x2 Tier IIIb 67971             | -         | Engine Kubota V1505-E3B    |
|          | LF3400 4x4 Tier IIIb 67972             | -         | Engine Kubota V1505-E3B    |
|          | LF3407 4x2 Tier II 67951               | -         | Engine Kubota V1305-E      |
|          | LF3800 4x2 Tier II 67866/67947         | -         | Engine Kubota V1505-E      |
|          | LF3800 4x4 Tier II 67867/67948         | -         | Engine Kubota V1505-E      |

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|------------|-----------------------|--|
|            |                       | LF3800 4x2 Tier IIIb 67958 -<br>Engine Kubota V1505-E3B          |
|            |                       | LF3800 4x4 Tier IIIb 67959 -<br>Engine Kubota V1505-E3B          |
|            |                       | LF3400 Turbo 4x4 Tier II 67889/67949 -<br>Engine Kubota V1505-TE |
|            |                       | LF3400 Turbo 4x4 Tier IIIb 67960 -<br>Engine Kubota V1505-T-E3B  |
|            |                       | LF3800 Turbo 4x4 Tier II 67936/67950 -<br>Engine Kubota V1505-TE |
|            |                       | LF3800 Turbo 4x4 Tier IIIb 67961 -<br>Engine Kubota V1505-T-E3B  |
|            |                       | LF4675 Turbo 4x4 Tier II 67915 -<br>Engine Kubota V1505-TE       |
|            |                       | LF4677 Turbo 4x4 Tier II 67916 -<br>Engine Kubota V1505-TE       |
|            |                       | LF3407 4x4 Tier II 67952 -<br>Engine Kubota V1305-E              |
|            |                       | HR3300T JHR33001 -<br>Engine Kubota D1105-T                      |
|            |                       | R-311 Tier IIIb 69166 -<br>Engine Kubota V2203-M-E3B             |
|            |                       | R-311 (EC) Tier IIIb 69167 -<br>Engine Kubota V2203-M-E3B        |
|            |                       | R-311T Tier IIIb 69171 -<br>Engine Kubota V2403-M-T-E3B          |
|            |                       | TurfCat T628D 4x2 Tier IIIb 69168 -<br>Engine Kubota D1305-E3B   |
|            |                       | TurfCat T628D 4x4 Tier IIIb 69169 -<br>Engine Kubota D1305-E3B   |
|            | Rotary Ride-on Mowers |  |
|            |                       | AR3 AR30001/2/3 -<br>Engine Kubota D1105-T                       |
|            |                       | TR3 TR30001/2 -<br>Engine Kubota D1105-E                         |
| JCB        |                       |  |
|            | Fastrac               |  |
|            |                       | Fastrac 2155 2012-<br>Engine Cummins QSB                         |
|            |                       | Fastrac 2170 2012-<br>Engine Cummins QSB                         |
| John Deere |                       |  |
|            | 50                    | 8850 1982-1989<br>Engine   |
|            | 400                   | 425 (2WS/AWS) PIN (070001-) 2000-<br>Engine FD620D-AS02          |
|            |                       | 445 (2WS/AWS) PIN (070001-) 2000-<br>Engine FD620D-AS01          |
|            | 4000                  | 4200 (2WD/4WD) PIN (122001-) 2000-<br>Engine Yanmar 3TNE78A      |
|            |                       | 4300 (2WD/4WD) PIN (133001-) 2000-<br>Engine Yanmar 3TNE84       |
|            |                       | 4400 (2WD/4WD) PIN (144001-) 2000-<br>Engine Yanmar 3TNE88       |
|            |                       | 4500 (2WD/4WD) PIN (150001-) 2000-<br>Engine Yanmar 4TNE84       |
|            |                       | 4600 (2WD/4WD) PIN (160001-) 2000-<br>Engine Yanmar 4TNE84       |
|            |                       | 4700 (2WD/4WD) PIN (190001-) 2000-<br>Engine Yanmar 4TNE88       |
|            | 4000 TEN              | 4010 PIN (110001-) 2002-<br>Engine Yanmar 3TNE68                 |
|            |                       | 4110 PIN (110001-) 2002-<br>Engine Yanmar 3TNE74                 |
|            |                       | 4115 PIN (110001-) 2002-<br>Engine Yanmar 3TNE78A                |
|            |                       | 4210 PIN (120001-) 2002-<br>Engine Yanmar 3TNE82A                |
|            |                       | 4310 PIN (130001-) 2002-<br>Engine Yanmar 3TNE84                 |
|            |                       | 4410 PIN (140001-) 2002-<br>Engine Yanmar 3TNE88                 |
|            |                       | 4510 PIN (154001-) 2002-<br>Engine Yanmar 4TNE84                 |
|            |                       | 4610 PIN (160001-) 2002-<br>Engine Yanmar 4TNE84                 |
|            |                       | 4710 PIN (170001-) 2002-<br>Engine Yanmar 4TNE88                 |

|                                   |                                 |
|-----------------------------------|---------------------------------|
| Lawn & Garden Mowers              |                                 |
| GX85 PIN (105001-)                | 2000-<br>Engine 13/30 Gear      |
| SX85 PIN (105001-)                | 2000-<br>Engine 13/30 Variator  |
| F725 PIN (090001-)                | 2000-<br>Engine                 |
| SST Series Lawn & Garden Tractors |                                 |
| SST15 PIN (040001-)               | 2000-<br>Engine CV15S-41611     |
| SST16 PIN (010001-)               | 2000-<br>Engine 303777          |
| SST18 PIN (010001-)               | 2000-<br>Engine 350777          |
| GT Series Lawn & Garden Tractors  |                                 |
| GT225 PIN (010001-060000)         | 2000-2002<br>Engine CV15S-41562 |
| GT235 PIN (010001-060000)         | 2000-2002<br>Engine 350777      |
| GT225 PIN (060001-)               | 2002-<br>Engine CV460S-26511    |
| GT235 PIN (060001-)               | 2002-<br>Engine DBS18-3500777   |
| GT245 PIN (060001-)               | 2002-<br>Engine FH601V          |
| LT Series Lawn & Garden Tractors  |                                 |
| LTR166 PIN (030001-)              | 2000-<br>Engine 303777          |
| LT180/LTR180 (010001-)            | 2002-<br>Engine FH500V-AS32     |
| LT170 PIN (010001-)               | 2002-<br>Engine 303777          |
| LT150 PIN (125001-350000)         | 2002-<br>Engine CV426S-41606    |
| LT160 PIN (125001-350000)         | 2002-<br>Engine CV460S-26510    |
| LT150 PIN (350001-)               | 2002-<br>Engine CV15S-41610     |
| LT160 PIN (350001-)               | 2002-<br>Engine CV460S-26513    |
| LX Series Lawn & Garden Tractors  |                                 |
| LX255 PIN (010101-)               | 2000-<br>Engine CV15S-41571     |
| LX266 PIN (060001-)               | 2000-<br>Engine CV460S-26511    |
| LX277 (AWS) PIN (010101-060000)   | 2000-<br>Engine FH500V          |
| LX277 (AWS) PIN (060001-)         | 2000-<br>Engine FH500V          |
| LX279 PIN (010101-060000)         | 2000-<br>Engine FD501V          |
| LX279 PIN (060001-)               | 2000-<br>Engine FD501V          |
| LX288 PIN (010101-060000)         | 2000-<br>Engine DBS18-3500777   |
| LX288 PIN (060001-)               | 2000-<br>Engine DBS18-3500777   |
| X Series Lawn & Garden Tractors   |                                 |
| GX325 PIN (105001-)               | 2002-<br>Engine FH531V          |
| GX335 PIN (105001-)               | 2002-<br>Engine FH601V          |
| GX345 PIN (105001-)               | 2002-<br>Engine FD611V          |
| X465 PIN (010001-)                | 2002-<br>Engine FH641D          |
| X475 PIN (010001-)                | 2002-<br>Engine FD671D          |
| X485 PIN (010001-)                | 2002-<br>Engine FD711D EFI      |
| X495 PIN (010001-)                | 2002-<br>Engine Yanmar 3TNE74   |
| X575 PIN (010001-)                | 2002-<br>Engine FD671D          |
| X585 PIN (010001-)                | 2002-<br>Engine FD711D EFI      |
| X595 PIN (010001-)                | 2002-<br>Engine Yanmar 3TNE74   |
| Walk-Behind Mowers                |                                 |
| GS30 PIN (010001-)                | 2000-<br>Engine CV13s           |
| GS45 PIN (010001-)                | 2000-                           |



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|   |  |
|---|--|
|   | Engine FC420V                                    |
| GS75 PIN (010001-)                      | 2000-<br>Engine FC540V                           |
| HD45 PIN (010001-)                      | 2000-<br>Engine FC420V                           |
| HD75 PIN (010001-)                      | 2000-<br>Engine FC540V                           |
| JX85 PIN (010001-)                      | 2000-<br>Engine/transmission                     |
| JX/JE75 PIN (020001-)                   | 2000-<br>Engine/transmission                     |
| <b>Full Size Front Mower</b>            |  |
| 1420 PIN (010001-)                      | 2002-<br>Engine Yanmar 3TG72                     |
| 1425 PIN (010001-)                      | 2000-<br>Engine Yanmar 3TG72                     |
| 1435 PIN (010001-)                      | 2000-<br>Engine Yanmar 3TNE74                    |
| 1445 PIN (010001-)                      | 2000-<br>Engine Yanmar 3TNE78                    |
| <b>Gator Utility Vehicles</b>           |  |
| 4 x 2 (TRAIL) PIN (039280-)             | 2000-<br>Engine Kawasaki                         |
| 6 x 4 (TRAIL) PIN (039286-)             | 2000-<br>Engine Kawasaki                         |
| ProGator 2020 PIN (020001-)             | 2001-<br>Engine Yanmar 3TG72                     |
| ProGator 2030 PIN (020001-)             | 2001-<br>Engine Yanmar 3TNE74                    |
| Turf Gator PIN (001001-)                | 2000-<br>Engine Kawasaki                         |
| Worksite Gator PIN (001001-)            | 2000-<br>Engine Yanmar                           |
| <b>Zero-Turning-Radius Mowers</b>       |  |
| QuikTrak 647 PIN (010101-)              | 2002-<br>Engine FH601V                           |
| QuikTrak 657 PIN (010101-)              | 2002-<br>Engine FH680V                           |
| QuikTrak 667 PIN (010101-)              | 2002-<br>Engine FH680V                           |
| Mini-Frame Z-Trak 717 PIN (010001-)     | 2002-<br>Engine FH601V                           |
| Mini-Frame Z-Trak 727 PIN (010001-)     | 2002-<br>Engine FH680V                           |
| Mid-Mount Z-Trak 737 PIN (010001-)      | 2002-<br>Engine FH680D<br>Transaxle, hydrostatic |
| Mid-Mount Z-Trak 757 PIN (010001-)      | 2002-<br>Engine FH721D<br>Transaxle, hydrostatic |
| F680 Z-trak PIN (120001-)               | 2000-<br>Transaxle/hydraulic system              |
| F687 Z-Trak PIN (010001-)               | 2002-<br>Transaxle/hydraulic system              |
| <b>Professional Utility Mowers</b>      |  |
| 1200A Bunker Rake PIN (925001-)         | 2000-<br>Engine FE290ASII-0000                   |
| 1800 Utility Vehicle PIN (020161-)      | 2000-<br>Engine FD620D-AS04                      |
| 2500 Petrol Greensmower PIN (010001-)   | 2000-<br>Engine FD620D                           |
| <b>Compact Tractors</b>                 |  |
| 2210 PIN (110001-)                      | 2002-<br>Engine Yanmar 3TNE74                    |
| <b>Krone</b>                            |  |
| <b>Big Pack</b>                         |  |
| Big Pack 88 473.000->489.999 -          | Compressor                                       |
| Big Pack 88 490.000->515.999 -          | Compressor                                       |
| Big Pack 88 516.000-> -                 | Compressor                                       |
| Big Pack 88 MultiCut 473.000->489.999 - | Compressor                                       |
| Big Pack 88 MultiCut 490.000->515.999 - | Compressor                                       |
| Big Pack 88 MultiCut 516.000-> -        | Compressor                                       |
| Big Pack 80-80 396.000->423.886 -       | Compressor                                       |
| Big Pack 80-80 423.887->467.041 -       | Compressor                                       |

Big Pack 80-80 467.042->488.199 -  
Compressor  
Big Pack 80-80 488.200-> -  
Compressor  
Big Pack 80-80 MultiCut 396.000->423.886 -  
Compressor  
Big Pack 80-80 MultiCut 423.887->467.041 -  
Compressor  
Big Pack 80-80 MultiCut 467.042->488.199 -  
Compressor  
Big Pack 80-80 MultiCut 488.200-> -  
Compressor  
Big Pack 120-70 488.200-> -  
Compressor  
Big Pack 120-70 MultiCut 488.200-> -  
Compressor  
Big Pack 120-80 396.000->423.886 -  
Compressor  
Big Pack 120-80 423.887->467.041 -  
Compressor  
Big Pack 120-80 467.042->488.199 -  
Compressor  
Big Pack 120-80 488.200-> -  
Compressor  
Big Pack 120-80 MultiCut 396.000->423.886 -  
Compressor  
Big Pack 120-80 MultiCut 423.887->467.041 -  
Compressor  
Big Pack 120-80 MultiCut 467.042->488.199 -  
Compressor  
Big Pack 120-80 MultiCut 488.200-> -  
Compressor  
Big Pack 127 473.000->489.999 -  
Compressor  
Big Pack 127 490.000->515.999 -  
Compressor  
Big Pack 127 516.000-> -  
Compressor  
Big Pack 127 MultiCut 473.000->489.999 -  
Compressor  
Big Pack 127 MultiCut 490.000->515.999 -  
Compressor  
Big Pack 127 MultiCut 516.000-> -  
Compressor  
Big Pack 128 473.000->489.999 -  
Compressor  
Big Pack 128 490.000->515.999 -  
Compressor  
Big Pack 128 516.000-> -  
Compressor  
Big Pack 128 MultiCut 473.000->489.999 -  
Compressor  
Big Pack 128 MultiCut 490.000->515.999 -  
Compressor  
Big Pack 128 MultiCut 516.000-> -  
Compressor  
Big Pack 890 561.000->584.299 -  
Compressor  
Big Pack 890 584.300->700.931 -  
Compressor  
Big Pack 890 700.932->721.563 -  
Compressor  
Big Pack 890 721.564->784.999 -  
Compressor  
Big Pack 890 785.000->810.444 -  
Compressor  
Big Pack 890 810.445-> -  
Compressor  
Big Pack 890 XC 561.000->584.299 -  
Compressor  
Big Pack 890 XC 584.300->700.931 -  
Compressor  
Big Pack 890 XC 700.932->721.563 -  
Compressor  
Big Pack 890 XC 721.564->784.999 -  
Compressor  
Big Pack 890 XC 785.000->810.444 -  
Compressor  
Big Pack 890 XC 810.445-> -  
Compressor  
Big Pack 1270 561.000->584.299 -  
Compressor

Big Pack 1270 584.300->700.931 -  
     Compressor  
 Big Pack 1270 700.932->721.563 -  
     Compressor  
 Big Pack 1270 721.564->784.999 -  
     Compressor  
 Big Pack 1270 785.000->810.444 -  
     Compressor  
 Big Pack 1270 810.445-> -  
     Compressor  
 Big Pack 1270 XC 561.000->584.299 -  
     Compressor  
 Big Pack 1270 XC/MultiBale 584.300->700.931 -  
     Compressor  
 Big Pack 1270 XC/MultiBale 700.932->721.563 -  
     Compressor  
 Big Pack 1270 XC/MultiBale 721.564->784.999 -  
     Compressor  
 Big Pack 1270 XC/MultiBale 785.000->810.444 -  
     Compressor  
 Big Pack 1270 XC/MultiBale 810.445-> -  
     Compressor  
 Big Pack 1290 561.000->584.299 -  
     Compressor  
 Big Pack 1290 584.300->700.931 -  
     Compressor  
 Big Pack 1290 700.932->721.563 -  
     Compressor  
 Big Pack 1290 721.564->784.999 -  
     Compressor  
 Big Pack 1290 785.000->810.444 -  
     Compressor  
 Big Pack 1290 810.445-> -  
     Compressor  
 Big Pack 1290 XC 561.000->584.299 -  
     Compressor  
 Big Pack 1290 XC 584.300->700.931 -  
     Compressor  
 Big Pack 1290 XC 700.932->721.563 -  
     Compressor  
 Big Pack 1290 XC 721.564->784.999 -  
     Compressor  
 Big Pack 1290 XC 785.000->810.444 -  
     Compressor  
 Big Pack 1290 XC 810.445-> -  
     Compressor  
 Big Pack 1290 HDP 584.300->700.931 -  
     Compressor  
 Big Pack 1290 HDP 700.932->721.563 -  
     Compressor  
 Big Pack 1290 HDP 721.564->784.999 -  
     Compressor  
 Big Pack 1290 HDP 785.000->810.444 -  
     Compressor  
 Big Pack 1290 HDP 810.445-> -  
     Compressor  
 Big Pack 1290 HDP XC 584.300->700.931 -  
     Compressor  
 Big Pack 1290 HDP XC 700.932->721.563 -  
     Compressor  
 Big Pack 1290 HDP XC 721.564->784.999 -  
     Compressor  
 Big Pack 1290 HDP XC 785.000->810.444 -  
     Compressor  
 Big Pack 1290 HDP XC 810.445-> -  
     Compressor

Kubota

B30

M

B3030 HDB/HDB-C 2004-2006  
     Engine Kubota V1505  
 M105S -  
     Engine Kubota V3800-DI-TI  
 M105X -  
     Engine Kubota V3800-TIE2  
 M108S -  
     Engine Kubota V3800-DT-TI-CRS  
 M125X -  
     Engine F5802-TE2  
 M128X 2009-  
     Engine Kubota A68-TI-CRS  
 M130X without EGR 2011-

# Lubricant Report



|             |                                |  |
|-------------|--------------------------------|--|
|             |                                | Engine Kubota V6108                          |
|             | M130X with EGR                 | 2011-  |
|             |                                | Engine Kubota V6108                          |
|             | Ride-On Grass Cutting Machines |  |
|             | T1570                          | - Engine                                     |
|             | T1670                          | - Engine                                     |
|             | T1770                          | - Engine                                     |
|             | T1870                          | - Engine                                     |
| Lamborghini |                                |  |
|             | Crono                          |  |
|             | Crono 65 -> 5001               | 2010-<br>Engine Perkins 1000.3-WT E3 PF47    |
|             | Crono 75 -> 5001               | 2010-<br>Engine Perkins 1000.3-WT1 E3 PF47   |
|             | Cross                          |  |
|             | 674-75 N                       | - Engine Perkins 1000.4-W                    |
|             | 774-85 N                       | - Engine Perkins 1000.4-W                    |
|             | 874-95 N                       | - Engine Perkins 1000.4-WT Euro 2            |
|             | Sprint                         |  |
|             | Sprint 656.55                  | 2000-<br>Engine Perkins 1000.3-WT            |
|             | Sprint 664.65                  | 2000-<br>Engine Perkins 1000.3-WT            |
|             | Sprint 674.75                  | 2000-<br>Engine Perkins 1000.4-W             |
|             | Sprint 684.85                  | 2000-<br>Engine Perkins 1000.4-WT            |
|             | R1                             |  |
|             | R1.30                          | 2004-2009<br>Engine                          |
|             | R1.40                          | 2004-2009<br>Engine                          |
|             | R1.50                          | 2004-2009<br>Engine                          |
|             | R2                             |  |
|             | R2.56                          | 2004-2009<br>Engine Perkins 1000.3-W         |
|             | R2.66                          | 2004-2009<br>Engine Perkins 1000.3-WT        |
|             | R2.76                          | 2004-2009<br>Engine Perkins 1000.4-W         |
|             | R2.86                          | 2004-2009<br>Engine Perkins 1000.4-WT        |
|             | R2 COM3                        |  |
|             | R2.60 -> 1001                  | 2010-<br>Engine Perkins 1000.3-WT Euro 3     |
|             | R2.60 1002 -> 5001             | 2010-<br>Engine Perkins 1000.3-WT Euro 3     |
|             | R2.80 -> 1001                  | 2010-<br>Engine Perkins 1000.3-WT1 Euro 3    |
|             | R2.80 1001 -> 5001             | 2010-<br>Engine Perkins 1000.3-WT1 Euro 3    |
|             | R2.90 -> 1001                  | 2010-<br>Engine Perkins 1000.4-WT1 Euro 3    |
|             | R2.90 1002 -> 5001             | 2010-<br>Engine Perkins 1000.4-WT1 Euro 3    |
|             | R2.100                         | 2010-<br>Engine Perkins 1000.4-WT1 Euro 3    |
|             | R3                             |  |
|             | R3.80 ->1001                   | 2010-<br>Engine Perkins 1000.4-W             |
|             | R3.85 ->5001                   | 2010-<br>Engine Perkins 1000.4-W             |
|             | R3.90 ->1001                   | 2010-<br>Engine Perkins 1000.4-WT            |
|             | R3.95 ->5001                   | 2010-<br>Engine Perkins 1000.4-WT            |
|             | R3.100 ->10001                 | 2010-<br>Engine Perkins 1000.4-WT1 Euro 3    |
|             | R3 T-TB                        |  |
|             | R3.T 75                        | 2008-2009<br>Engine Perkins 1000.4-W         |
|             | R3.T 85                        | 2008-2009<br>Engine Perkins 1000.4-WT Euro 2 |
|             | R3.T 95                        | 2008-2009                                    |

|  |                                  |
|--|----------------------------------|
|  | Engine Perkins 1000.4-WT Euro 2  |
| R3.TB 75                                   | 2008-2009                        |
|  | Engine Perkins 1000.4-W          |
| R3.TB 85                                   | 2008-2009                        |
|  | Engine Perkins 1000.4-WT Euro 2  |
| R3.TB 95                                   | 2008-2009                        |
|  | Engine Perkins 1000.4-WT Euro 2  |
| R3 EVO COM 3                               |                                  |
| R3 EVO 85 (GS)                             | 2008-2009                        |
|  | Engine Deutz BF4M-2012           |
| R3 EVO 100 (GS)                            | 2008-2009                        |
|  | Engine Deutz BF4M-2012           |
| R5 COM3                                    |                                  |
| R5.140 EVO                                 | 2010-                            |
|  | Engine Perkins 1000.6-WT1        |
| R5.160 EVO                                 | 2010-                            |
|  | Engine Perkins 1000.6-WT1        |
| R6   |                                  |
| R6.100 -> ZKDJ830200TL10001                | 2010-                            |
|  | Engine Deutz TCD 2012 L04 2V UPS |
| R6.110 -> ZKDL320200TL10001                | 2010-                            |
|  | Engine Deutz TCD 2012 L04 2V UPS |
| R6.110 Hi-Profile -> ZKDL450200TL15001     | 2009-                            |
|  | Engine Deutz TCD 2012 L04 2V UPS |
| R6.115 DCR -> ZKDL330200TL10001            | 2010-                            |
|  | Engine Deutz TCD 2012 L06 2V DCR |
| R6.115 Hi-Profile DCR -> ZKDL460200TL15001 | 2009-                            |
|  | Engine Deutz TCD 2012 L06 2V DCR |
| R6.125 DCR -> ZKDL340200TL10001            | 2010-                            |
|  | Engine Deutz TCD 2012 L04 2V DCR |
| R6.125 Hi-Profile DCR -> ZKDL470200TL15001 | 2009-                            |
|  | Engine Deutz TCD 2012 L04 2V DCR |
| R6.130                                     | 2005-2008                        |
|  | Engine Deutz Euro 2              |
| R6.130 DCR                                 | 2010-                            |
|  | Engine Deutz TCD 2012 L06 2V DCR |
| R6.130 DCR -> 20001                        | 2010-                            |
|  | Engine Deutz TCD 2012 L06 2V DCR |
| R6.135 DCR 4V                              | 2010-                            |
|  | Engine Deutz TCD 2012 L04 4V DCR |
| R6.135 Hi-Profile DCR 4V                   | 2010-                            |
|  | Engine Deutz TCD 2012 L04 4V DCR |
| R6.140 DCR                                 | 2010-                            |
|  | Engine Deutz TCD 2012 L06 2V DCR |
| R6.140 DCR -> 20001                        | 2010-                            |
|  | Engine Deutz TCD 2012 L06 2V DCR |
| R6.140 DCR 4V                              | 2010-                            |
|  | Engine Deutz TCD 2012 L06 4V DCR |
| R6.140 Hi-Profile DCR 4V                   | 2010-                            |
|  | Engine Deutz TCD 2012 L06 4V DCR |
| R6.140 Hi-Profile DCR                      | 2010-                            |
|  | Engine Deutz TCD 2012 L06 2V DCR |
| R6.140 Hi-Profile DCR -> 20001             | 2010-                            |
|  | Engine Deutz TCD 2012 L06 2V DCR |
| R6.150                                     | 2005-2008                        |
|  | Engine Deutz Euro 2              |
| R6.150.7                                   | 2005-2008                        |
|  | Engine Deutz Euro 2              |
| R6.150 VRT DCR                             | 2010-                            |
|  | Engine Deutz TCD 2012 L06 4V DCR |
| R6.155 DCR 4V                              | 2010-                            |
|  | Engine Deutz TCD 2012 L04 4V DCR |
| R6.155 Hi-Profile DCR 4V                   | 2010-                            |
|  | Engine Deutz TCD 2012 L04 4V DCR |
| R6.160 DCR                                 | 2010-                            |
|  | Engine Deutz TCD 2012 L06 2V DCR |
| R6.160 DCR -> 20001                        | 2010-                            |
|  | Engine Deutz TCD 2012 L06 2V DCR |
| R6.160 Hi-Profile DCR                      | 2010-                            |
|  | Engine Deutz TCD 2012 L06 2V DCR |
| R6.160 Hi-Profile DCR -> 20001             | 2010-                            |
|  | Engine Deutz TCD 2012 L06 2V DCR |
| R6.160 DCR 4V                              | 2010-                            |
|  | Engine Deutz TCD 2012 L06 4V DCR |
| R6.160 Hi-Profile DCR 4V                   | 2010-                            |
|  | Engine Deutz TCD 2012 L06 4V DCR |
| R6.165.7                                   | 2005-2008                        |
|  | Engine Deutz Euro 2              |
| R6.170 VRT DCR                             | 2010-                            |
|  | Engine Deutz TCD 2012 L06 4V DCR |
| R6.175 DCR                                 | 2010-                            |
|  | Engine Deutz TCD 2012 L06 4V DCR |

|         |   |
|---------|---|
|         | R6.175 DCR -> 20001 2010-<br>Engine Deutz TCD 2012 L06 4V DCR             |
|         | R6.175 Hi-Profile DCR 2010-<br>Engine Deutz TCD 2012 L06 4V DCR           |
|         | R6.175 Hi-Profile DCR -> 20001 2010-<br>Engine Deutz TCD 2012 L06 4V DCR  |
|         | R6.185 DCR 2010-<br>Engine Deutz TCD 2012 L06 4V DCR                      |
|         | R6.185 DCR -> 20001 2010-<br>Engine Deutz TCD 2012 L06 4V DCR             |
|         | R6.185 Hi-Profile DCR 2010-<br>Engine Deutz TCD 2012 L06 4V DCR           |
|         | R6.185 Hi-Profile DCR -> 20001 2010-<br>Engine Deutz TCD 2012 L06 4V DCR  |
|         | R6.190 VRT DCR 2010-<br>Engine Deutz TCD 2012 L06 4V DCR                  |
| R7      | R7.190 DCR 2010-<br>Engine Deutz TCD 2013 L06 2V DCR                      |
|         | R7.200 2006-2009<br>Engine Deutz Euro 2                                   |
|         | R7.210 2010-<br>Engine Deutz TCD 2013 L06 2V DCR                          |
|         | R7.210 DCR -> 10010 2009-<br>Engine Deutz TCD 2013 L06 2V DCR             |
| R8      | R8.230 DCR -> WSXJ390200LL10001 2009-<br>Engine Deutz TCD 2013 L06 4V DCR |
|         | R8.230 DCR -> WSXL890200LL10001 2009-<br>Engine Deutz TCD 2013 L06 4V DCR |
|         | R8.270 DCR -> WSXJ400200LL10001 2009-<br>Engine Deutz TCD 2013 L06 4V DCR |
|         | R8.270 DCR -> WSXL920200LL10001 2009-<br>Engine Deutz TCD 2013 L06 4V DCR |
| RS      | RS70 2004-2009<br>Engine Perkins 1000.3-WT                                |
|         | RS75 2004-2009<br>Engine Perkins 1000.4-W                                 |
|         | RS90 2004-2009<br>Engine Perkins 1000.4-WT                                |
|         | RS100 2004-2009<br>Engine Perkins 1000.4-WT                               |
| RV      | RV70 2004-2009<br>Engine Perkins 1000.3-WT                                |
|         | RV75 2004-2009<br>Engine Perkins 1000.4-W                                 |
|         | RV90 2004-2009<br>Engine Perkins 1000.4-WT                                |
|         | RV100 2004-2009<br>Engine Perkins 1000.4-WT                               |
| C/CF    | CF.100 -> 2001 2010-<br>Engine Perkins 1000.4-WT1 Euro 3                  |
|         | C.110 2010-<br>Engine Perkins 1000.4-WT1 Euro 3                           |
| Same    |   |
| Dorado  | Dorado 60 2RM/DT 1995-<br>Engine Perkins 1000.3-A                         |
|         | Dorado 70 2RM/DT 1995-<br>Engine Perkins 1000.4-A                         |
|         | Dorado 55 1997-2003<br>Engine Perkins 1000.3-A                            |
|         | Dorado 56 2004-2006<br>Engine Perkins 1000.3-W                            |
|         | Dorado 65 1995-2003<br>Engine Perkins 1000.3-AT                           |
|         | Dorado 66 2004-2006<br>Engine Perkins 1000.3-WT                           |
|         | Dorado 75 1995-2003<br>Engine Perkins 1000.4-A5                           |
|         | Dorado 76 2004-2006<br>Engine Perkins 1000.4-W                            |
|         | Dorado 85 1995-2003<br>Engine Perkins 1000.4-AT5                          |
|         | Dorado 86 2004-2006<br>Engine Perkins 1000.4-WT                           |
| Laser 3 | Laser 3 140 2010-<br>Engine Perkins 1000.6-WT1                            |

# Lubricant Report

|                 |                    |           |   |
|-----------------|--------------------|-----------|---|
|                 | Laser 3 160        | 2010-     | Engine Perkins 1000.6-WT1   |
| Iron COM3       |                    |           |   |
|                 | Iron 175           | 2004-2005 | Engine Deutz Euro 2   |
|                 | Iron 175S          | 2004-2005 | Engine Deutz Euro 2   |
|                 | Iron 175           | 2006-     | Engine Deutz Euro 2   |
|                 | Iron 175S          | 2006-     | Engine Deutz Euro 2   |
|                 | Iron 190           | 2004-2005 | Engine Deutz Euro 2   |
|                 | Iron 190S          | 2004-2005 | Engine Deutz Euro 2   |
|                 | Iron 190           | 2006-2009 | Engine Deutz Euro 2   |
|                 | Iron 190S          | 2006-2009 | Engine Deutz Euro 2   |
|                 | Iron 200           | 2004-2005 | Engine Deutz Euro 2   |
|                 | Iron 200S          | 2004-2005 | Engine Deutz Euro 2   |
|                 | Iron 200           | 2006-     | Engine Deutz Euro 2   |
|                 | Iron 200S          | 2006-     | Engine Deutz Euro 2   |
| Unimog (MB)     |                    |           |   |
|                 | 403, 406, 413, 416 |           | U 900 (406), U 1100 (416) 1985-1992<br>Engine Mercedes-Benz OM602 |
|                 | 408, 418           |           | U 90 (408) 1992-2000<br>Engine Mercedes-Benz OM602                |
|                 | 421                |           | U 600, U 600 L (421) 1970-1992<br>Engine Mercedes-Benz OM615/616  |
| Valtra (Valmet) |                    |           |   |
|                 | M100               |           |   |
|                 | 600                | 1998-     | Engine 320 DS   |
|                 | 700                | 1998-     | Engine 320 DS   |
|                 | 800                | 1998-     | Engine 420 DR   |
|                 | 900                | 1998-     | Engine 420 DRS  |
|                 | 6000 Mezzo         |           |   |
|                 | 6000 (Mezzo)       | 1994-     | Engine 420 D  |
|                 | 6100 (Mezzo)       | 1991-     | Engine 320 DS   |
|                 | 6200 DPS (Mezzo)   | 1999-     | Engine 420 DSRE   |
|                 | 6300 (Mezzo)       | 1991-     | Engine 420 DS   |
|                 | 6400 (Mezzo)       | 1991-     | Engine 420 DW   |
|                 | 6600 (Mezzo)       | 1991-     | Engine 420 DS   |
|                 | 6800 DPS (Mezzo)   | 1999-     | Engine 420 DWI  |
|                 | 6050 HiTech        |           |   |
|                 | 6250 HiTech        | 1999-     | Engine 420 DSRE   |
|                 | 6350 HiTech        | 1999-     | Engine 420 DSRE   |
|                 | 6550 HiTech        | 1999-     | Engine 420 DWRE   |
|                 | 6650 HiTech        | 1999-     | Engine 420 DWRE   |
|                 | 6850 HiTech        | 1999-     | Engine 420 DWRIE  |
|                 | 8000 Mezzo         |           |   |
|                 | 8000 (Mezzo)       | 1991-     | Engine 620 D  |
|                 | 8050 HiTech        |           |   |
|                 | 8050 HiTech        | 1999-     | Engine 620 DSRE   |
|                 | 8150 HiTech        | 1999-     | Engine 620 DSRE   |
|                 | 8350 HiTech        | 2000-     |   |

# Lubricant Report

|          |             |                           |
|----------|-------------|---------------------------|
|          |             | Engine 620 DSRIE          |
|          | 8450 HiTech | 1999-<br>Engine 620 DWRE  |
|          | 8550 HiTech | 1999-<br>Engine 620 DSRE  |
|          | 8950 HiTech | 1999-<br>Engine 634 DSBIE |
| X Series |             |                           |
|          | X95         | 2000-<br>Engine 420 DWRE  |
|          | X100 Hitech | 2000-<br>Engine 420 DWRE  |
|          | X105        | 2000-<br>Engine 420 DWRE  |
|          | X110 Hitech | 2000-<br>Engine 420 DWRE  |
|          | X115        | 2000-<br>Engine 420 DWRIE |
|          | X120 Hitech | 2000-<br>Engine 420 DWRIE |

## Compressors, Pumps and Generators

HPC

### Reciprocating Air Compressors

All Types -2008

Engine Honda

Kaeser

### Portable compressors

|                                  |   |                          |
|----------------------------------|---|--------------------------|
| M20                              | - | Engine Kubota D722       |
| M26                              | - | Engine Kubota D1105-B    |
| M30                              | - | Engine Kubota D1105-T    |
| M43                              | - | Engine Kubota D1105-T    |
| M57                              | - | Engine Kubota V2403      |
| Portable export compressors      |   |                          |
| M70                              | - | Engine Kubota V2003-T    |
| M100                             | - | Engine Kubota V3800-T    |
| M220                             | - | Engine Deutz BF6M-1013FC |
| Portable powerhouse compressors  |   |                          |
| M36G                             | - | Engine Kubota V2403      |
| M45G                             | - | Engine Kubota V2203      |
| M64G                             | - | Engine Kubota V2003-T    |
| M80G                             | - | Engine Kubota V3300-DI-T |
| M121G                            | - | Engine Deutz BF4M-2021C  |
| Portable versatility compressors |   |                          |
| M45                              | - | Engine Kubota V2203      |
| M64                              | - | Engine Kubota V2003-T    |
| M80                              | - | Engine Kubota V3300-DI-T |
| M121                             | - | Engine Deutz BF4M-2021C  |

Mosa

### Generating sets (GE)

|                   |   |                          |
|-------------------|---|--------------------------|
| GE 2500 SR Family | - | Engine Subaru EX17       |
| GE 6000 LBS       | - | Engine Lombardini LGA340 |
| GE 6000 SX/GS     | - | Engine Lombardini LGA340 |
| GE 6500 LBS       | - | Engine Lombardini LGA340 |
| GE 6500 SX/GS     | - | Engine Lombardini LGA340 |

## Construction, Mining and Materials Handling Equipment

Ahlmann

### Swing loaders

AS 70 Deutz BF4L1011F / EU stage I -



# Lubricant Report

|                |  |                              |
|----------------|--|------------------------------|
|                |  | Engine Deutz BF4L-1011F      |
|                | AS 70 Deutz BF4L1011F / EU stage III -     | Engine Deutz BF4L-1011F      |
|                | AS 85t Deutz BF4L1011F / EU stage III -    | Engine Deutz BF4L-1011F      |
|                | AS 90 Deutz BF4L1011F / EU stage I -       | Engine Deutz BF4L-1011FT     |
|                | AS 90 Deutz BF4L1011F / EU stage III -     | Engine Deutz BF4L-1011F      |
|                | Swing loaders                              |                              |
|                | AZ 85t Deutz BF4L1011F / EU stage I -      | Engine Deutz BF4L-1011F      |
|                | AZ 90 Tele Deutz BF4L2011 / EU stage III - | Engine Deutz BF4L-2011       |
| Ammann         | Single Direction Plates                    |                              |
|                | AVP 1240 H -                               | Vibrator unit                |
|                | AVP 1250 -                                 | Vibrator unit                |
| Ausa           | Multitask                                  |                              |
|                | M50 -                                      | Engine Rotax 400             |
|                | M50D (15 kW) -                             | Engine Lombardini LDW 1003   |
|                | M50D (20 kW) -                             | Engine Lombardini LDW 1003   |
| Avant          | Loaders, 300 Series                        |                              |
|                | 313 -                                      | Engine Honda GX390           |
|                | Loaders, 500 Series                        |                              |
|                | 513 -                                      | Engine Honda GX390           |
| Barford        | Site Dumpers                               |                              |
|                | SK10000 2005-                              | Engine Iveco N45 MNTD        |
|                | SKR9000 2004-                              | Engine Iveco NEF N45 MNS     |
|                | SKR10000 2005-                             | Engine Iveco NEF N45 MNS     |
|                | SX5000 Iveco NEF N45 MNA 2004-2006         | Engine Iveco NEF N45 MNA     |
|                | SX6000 Iveco NEF N45 MNA 2004-2006         | Engine Iveco NEF N45 MNA     |
|                | SX7000 Iveco NEF N45 MNS 2004-2006         | Engine Iveco NEF N45 MNS     |
|                | SX8000 Iveco NEF N45 MNS 2004-2006         | Engine Iveco NEF N45 MNS     |
|                | SX9000 Iveco NEF N45 MNS 2004-2006         | Engine Iveco NEF N45 MNS     |
|                | SXR5000 Iveco NEF N45 MNA 2004-2006        | Engine Iveco NEF N45 MNA     |
|                | SXR6000 Iveco NEF N45 MNA 2004-2006        | Engine Iveco NEF N45 MNA     |
|                | SXR7000 Iveco NEF N45 MNS 2004-2006        | Engine Iveco NEF N45 MNS     |
|                | SXR8000 Iveco NEF N45 MNS 2004-2006        | Engine Iveco NEF N45 MNS     |
| Bell Equipment | Articulated DumpTrucks                     |                              |
|                | B16B (4X2) ADE 366T -                      | Transmission ZF 5WG150       |
|                | B16B (6X2) ADE 366T -                      | Transmission ZF 5WG150       |
|                | B17B (6x4) ADE 366T -                      | Transmission ZF 6WG180       |
|                | B17B (6x6) ADE 366T -                      | Transmission ZF 6WG180       |
|                | B20B (6x4) ADE 366TI -                     | Transmission ZF 6WG200       |
|                | B25B MkII (6x4) ADE 366TI -                | Transmission ZF 6WG200       |
|                | B25B MkII (6x6) ADE 366TI -                | Transmission ZF 6WG200       |
|                | B30B (6x6) ADE 442N -                      | Transmission ZF 6WG200       |
|                | Tracked excavators                         |                              |
|                | HD820R Mitsubishi 6D34-TLE2A -             | Engine Mitsubishi 6D34-TLE2A |

# Lubricant Report



|         |                               |   |
|---------|-------------------------------|---|
|         |                               | HD1023 Mitsubishi 6D34-TLE2A -<br>Engine Mitsubishi 6D34-TLE2A                                |
|         |                               | HD1023LC Mitsubishi 6D34-TLE2A -<br>Engine Mitsubishi 6D34-TLE2A                              |
|         |                               | HD1430R Mitsubishi 6D16-TLE2A -<br>Engine Mitsubishi 6D16-TLE2A                               |
|         |                               | HD2045 III Mitsubishi 6D24-TLE2A / 8775501 -> -<br>Engine Mitsubishi 6D24-TLE2A               |
| Bitelli |                               |   |
|         | Planers                       |   |
|         |                               | PM102 2007-<br>Hydraulic system   |
|         |                               | PM200 2007-<br>Hydraulic system   |
| Bobcat  |                               |   |
|         | Skid Steer Loaders            |   |
|         |                               | T180 Kubota V2403M-DI-T (S/N 524311001 ->) 2004-2008<br>Engine Kubota V2403M Turbo            |
|         |                               | T180 H Kubota V2403M-DI-T (S/N 527511001 ->) 2004-2008<br>Engine Kubota V2403M Turbo          |
|         |                               | T180 H Kubota V2403M-DI-T (S/N 527611001 ->) 2004-2008<br>Engine Kubota V2403M Turbo          |
|         |                               | T190 Kubota V2403M-DI-TE2B 2004-2008<br>Engine Kubota V2403M Turbo                            |
|         |                               | T190 H Kubota V2403M-DI-TE2B 2004-2008<br>Engine Kubota V2403M Turbo                          |
|         |                               | T250 Kubota V3300-DI-T Tier II (S/N 525611001 ->) 2004-2008<br>Engine Kubota V3300-DI-T       |
|         |                               | T250 H Kubota V3300-DI-T Tier II (S/N 525711001 ->) 2004-2008<br>Engine Kubota V3300-DI-T     |
|         |                               | T300 Kubota V3300-DI-T 2003-2008<br>Engine Kubota V3300-DI-T                                  |
|         |                               | T300 H Kubota V3300-DI-T 2003-2008<br>Engine Kubota V3300-DI-T                                |
|         | Utility Vehicles              |   |
|         |                               | 2200D -<br>Engine Kubota D722   |
|         |                               | 2200S -<br>Engine Kubota D722   |
|         |                               | 2300 -<br>Engine Kubota D722  |
| Bomag   |                               |   |
|         | Combination rollers           |   |
|         |                               | BW-100AC-3 Deutz F2L 1011 1995-2004<br>Engine Deutz F2L-1011                                  |
|         |                               | BW-100AC-4 Kubota D1703 MDI 2004-2008<br>Engine Kubota D1703-MDI                              |
|         |                               | BW-120AC-3 Deutz F2L 1011 1995-2004<br>Engine Deutz F2L-1011                                  |
|         |                               | BW-120AC-4 Kubota D1703 MDI 2004-2008<br>Engine Kubota D1703-MDI                              |
|         |                               | BW-125AC-4 Kubota D1703 MDI 2004-2008<br>Engine Kubota D1703-MDI                              |
|         |                               | BW-138AC Deutz F3L 2011 (S/N 101 650 15 1121...>) 2004-2008<br>Engine Deutz F3L-2011          |
|         |                               | BW-161AC-4 Deutz BF4M 2012 2005-2012<br>Engine Deutz BF4M-2012                                |
|         | Reversible vibratory plates   |   |
|         |                               | BPR-30/38D-3 Yanmar L48EE EPA -<br>Engine Yanmar L48EE EPA<br>Vibratory bearing               |
|         |                               | BPR-65/70D-4 -<br>Engine Hatz 1D81Z<br>Vibratory bearing                                      |
|         |                               | BPR-75/60D-3 -<br>Engine Hatz 1D81Z<br>Vibratory bearing                                      |
|         | Rubber tire rollers           |   |
|         |                               | BW-24R Cummins 4B3.9 2000-2004<br>Engine Cummins 4B3.9C                                       |
|         | Single drum vibratory rollers |   |
|         |                               | BW-213D-4 -<br>Vibratory bearing  |
|         |                               | BW-213DH-3 Deutz BF4M-1013EC (S/N 101 581 45....) 2003-2004<br>Engine Deutz BF4M-1013E        |
|         |                               | BW-213DH-3 BVC Deutz BF4M-1013EC (S/N 101 581 45....) 2003-2004<br>Engine Deutz BF4M-1013E    |
|         |                               | BW-213DH-3 BTM-E Deutz BF4M-1013EC (S/N 101 581 45....) 2003-2004<br>Engine Deutz BF4M-1013E  |
|         |                               | BW-213DH-3 BTM-05 Deutz BF4M-1013EC (S/N 101 581 45....) 2003-2004<br>Engine Deutz BF4M-1013E |
|         |                               | BW-213PDH-3 Deutz BF4M-1013EC (S/N 101 581 45....) 2003-2004                                  |

# Lubricant Report



|       |                                     |   |
|-------|-------------------------------------|---|
|       |                                     | Engine Deutz BF4M-1013E                                 |
|       | BW-213PDH-3                         | BVC Deutz BF4M-1013EC (S/N 101 581 45....) 2003-2004    |
|       |                                     | Engine Deutz BF4M-1013E                                 |
|       | BW-213PDH-3                         | BTM-E Deutz BF4M-1013EC (S/N 101 581 45....) 2003-2004  |
|       |                                     | Engine Deutz BF4M-1013E                                 |
|       | BW-213PDH-3                         | BTM-05 Deutz BF4M-1013EC (S/N 101 581 45....) 2003-2004 |
|       |                                     | Engine Deutz BF4M-1013E                                 |
|       | BW-216DH-4                          | 2010-   |
|       |                                     | Vibratory bearing                                       |
|       | BW-216PDH-4                         | 2010-   |
|       |                                     | Vibratory bearing                                       |
|       | Single direction vibratory plates   |   |
|       | BP 18/45-2                          | -   |
|       |                                     | Engine Honda GX160 EPA                                  |
|       |                                     | Vibratory bearing                                       |
|       | Soil Stabilizers / Asphalt Recycler |   |
|       | MPH-121                             | Deutz BF6M 1015 (S/N 101 590 02 ...->) -                |
|       |                                     | Engine Deutz BF6M-1015                                  |
|       | Tandem vibratory rollers            |   |
|       | BW-100AD-3                          | Deutz F2L 1011 1997-2004                                |
|       |                                     | Engine Deutz F2L-1011                                   |
|       | BW-100AD-4                          | Kubota D1703 MDI 2004-2008                              |
|       |                                     | Engine Kubota D1703-MDI                                 |
|       | BW-120AD-3                          | Deutz F2L 1011 1997-2004                                |
|       |                                     | Engine Deutz F2L-1011                                   |
|       | BW-120AD-4                          | Kubota D1703 MDI 2004-2008                              |
|       |                                     | Engine Kubota D1703-MDI                                 |
|       | BW-125AD-4                          | Kubota D1703 MDI 2004-2008                              |
|       |                                     | Engine Kubota D1703-MDI                                 |
|       | BW-125ADH                           | Deutz F3L 2011 (S/N 101 17021 1210...>) 2004-2006       |
|       |                                     | Engine Deutz F3L-2011                                   |
|       | BW-135AD                            | Deutz F3L 2011 (S/N 101 65012 1573...>) 2004-2008       |
|       |                                     | Engine Deutz F3L-2011                                   |
|       | BW-138AD                            | Deutz F3L 2011 (S/N 101 65014 1865...>) 2004-2007       |
|       |                                     | Engine Deutz F3L-2011                                   |
|       | BW-161AD-4                          | Deutz BF4M 2012 2003-2008                               |
|       |                                     | Engine Deutz BF4M-2012                                  |
|       | BW-161ADH-4                         | Deutz BF4M 2012 2004-2008                               |
|       |                                     | Engine Deutz BF4M-2012                                  |
|       | BW-174AD-2AM                        | -   |
|       |                                     | Engine Cummins 4BT3.3                                   |
|       |                                     | Vibratory bearing                                       |
|       | BW-202AD-4                          | Deutz BF4M 2012 2003-2007                               |
|       |                                     | Engine Deutz BF4M-2012                                  |
|       | BW-203AD-4                          | Deutz BF4M 2012 2004-2007                               |
|       |                                     | Engine Deutz BF4M-2012                                  |
|       | Vibratory tampers                   |   |
|       | BT 60-4                             | Honda GX100 2001-                                       |
|       |                                     | Engine Honda GX100                                      |
|       | BT 65-4                             | Honda GX100 2002-                                       |
|       |                                     | Engine Honda GX100                                      |
| Bumar | Excavators                          |   |
|       | H.250                               | -   |
|       |                                     | Engine Ford 2711E                                       |
|       | H.2500                              | -   |
|       |                                     | Engine Ford 2711E                                       |
|       | K.406                               | -   |
|       |                                     | Engine Ford 2711E                                       |
|       | K.408                               | -   |
|       |                                     | Engine Ford 2711E                                       |
|       | K.606                               | -   |
|       |                                     | Engine Ford 2711E                                       |
| Case  | Backhoe Loaders                     |   |
|       | 580 LE                              | -   |
|       |                                     | Engine  |
|       | 580 LXT                             | -   |
|       |                                     | Engine  |
|       | 580 MPS                             | -   |
|       |                                     | Engine  |
|       | 580 Rangers                         | -   |
|       |                                     | Engine  |
|       | 580 Super LE                        | -   |
|       |                                     | Engine  |
|       | 580 Super LPS                       | -   |
|       |                                     | Engine  |
|       | 590 Super LE                        | -   |
|       |                                     | Engine  |
|       | 595 LSP                             | -   |
|       |                                     | Engine Perkins 1004.THR4                                |
|       | 595 Super LE                        | -   |

|                 |  |
|-----------------|--|
|                 | Engine Perkins 1004.T4                                       |
| Mini-Excavators |  |
|                 | CX15 Perkins 103.10 2002-2004<br>Engine Perkins              |
|                 | CX16 Perkins 103.10 2002-2004<br>Engine                      |
|                 | CX23 Yanmar 3TNA72L 2002-2004<br>Engine Yanmar 3TNA72L       |
|                 | CX28 Perkins 103.13 2002-2004<br>Engine Perkins              |
|                 | CX31 Perkins 103.15 2002-2004<br>Engine Perkins              |
|                 | CX35 Perkins 103.15 2002-2004<br>Engine Perkins              |
|                 | CX50 Mitsubishi 4N-EID 2002-2004<br>Engine Mitsubishi 4N-EID |
|                 | CX18B series 2 -<br>Engine Mitsubishi L3E                    |
| Wheeled Loaders |  |
|                 | 621B Case 6T-590 1994-1999<br>Engine Case 6T-590             |
|                 | 621BXT Case 6T-590 1994-1999<br>Engine Case 6T-830           |
|                 | 721B Case 6T-830 1994-1999<br>Engine Case 6T-830             |
|                 | 721B XT Case 6T-830 1994-1999<br>Engine Case 6T-830          |
|                 | 821B Case 6T-830 1994-1999<br>Engine Case 6T-830             |
| Caterpillar     |  |
| Asphalt Pavers  |  |
|                 | AP-600D TFM, TFZ -<br>Hydraulic system                       |
|                 | AP-650B A7P -<br>Hydraulic system                            |
|                 | AP-655C AYP, CDG -<br>Hydraulic system<br>Track rollers      |
|                 | AP-655D GNN, GNZ -<br>Hydraulic system<br>Track rollers      |
|                 | AP-800D A5P -<br>Hydraulic system                            |
|                 | AP-1000B AGP, 7HN -<br>Hydraulic system                      |
|                 | AP-1000D EAD -<br>Hydraulic system                           |
|                 | AP-1050B 6ZN 2003-<br>Hydraulic system                       |
|                 | AP-1055D A6P -<br>Hydraulic system<br>Track rollers          |
| Backhoe Loaders |  |
|                 | 416B 8SG, 8ZK 1992-1996<br>Hydraulic system                  |
|                 | 416D 2002-2006<br>Hydraulic system                           |
|                 | 416E SHA 2007-2012<br>Hydraulic system                       |
|                 | 420D BKC00001->00919 2001-2003<br>Hydraulic system           |
|                 | 420D Series II BKC00920-> 2004-2005<br>Hydraulic system      |
|                 | 420D BLN00001-07965 2001-2003<br>Hydraulic system            |
|                 | 420D BLN07966-10299 2001-2003<br>Hydraulic system            |
|                 | 420D BLN10300-13470 2003-2005<br>Hydraulic system            |
|                 | 420D IT BMC00001-01059 2001-2003<br>Hydraulic system         |
|                 | 420D IT Series II BMC01060-> 2004-2005<br>Hydraulic system   |
|                 | 420D FDP00001-14495 2001-2004<br>Hydraulic system            |
|                 | 420D FDP14496-18399 2001-2004<br>Hydraulic system            |
|                 | 420D FDP18400-20877 2001-2004<br>Hydraulic system            |
|                 | 422E 2004-<br>Hydraulic system                               |
|                 | 424D 2001-2006   |

|  |                  |
|--|------------------|
|  | Hydraulic system |
| 426B 5YJ, 6KL 1991-1996                    | Hydraulic system |
| 428B 7EJ 1991-1995                         | Hydraulic system |
| 428D Series II MBM 2004-2005               | Hydraulic system |
| 430D BML00001->03502 2001-2004             | Hydraulic system |
| 430D BML03503->04799 2001-2004             | Hydraulic system |
| 430D BML04800-> 2004-2006                  | Hydraulic system |
| 430D BNK00001->04366 2001-2004             | Hydraulic system |
| 430D BNK04367->05899 2001-2004             | Hydraulic system |
| 430D BNK05900-> 2004-2006                  | Hydraulic system |
| 432D BLD00001-01594 2001-2006              | Hydraulic system |
| 432D BLD01595-03844 2001-2006              | Hydraulic system |
| 432D TDR 2001-2006                         | Hydraulic system |
| 432D WEP 2001-2006                         | Hydraulic system |
| 436B 6MJ, 7FL 1991-1996                    | Hydraulic system |
| 438B 3KK 1992-1997                         | Hydraulic system |
| 442D 2001-2006                             | Hydraulic system |
| <b>Bulldozers/Tracked Tractors</b>         |                  |
| D3G LGP 2001-2008                          | Hydraulic system |
| D3G XL 2001-2008                           | Hydraulic system |
| D4G LGP 2001-2008                          | Hydraulic system |
| D4G XL 2001-2008                           | Hydraulic system |
| D5G LGP 2001-2008                          | Hydraulic system |
| D5G XL 2001-2008                           | Hydraulic system |
| D6R 7KN 1996-2003                          | Hydraulic system |
| D6R 5LN 1996-2003                          | Hydraulic system |
| D6R 9MN 1996-2003                          | Hydraulic system |
| D6R 5PR 1996-2003                          | Hydraulic system |
| D6R 3ZN 1996-2003                          | Hydraulic system |
| D6R 9ZS 1996-2003                          | Hydraulic system |
| D6R XL DS Series II BPM 2002-2007          | Hydraulic system |
| D6R Series III WRG 2006-2008               | Hydraulic system |
| D6T Tier 3/EU Stage IIIa 2006-             | Hydraulic system |
| D6T LGP Tier 3/EU Stage IIIa 2006-         | Hydraulic system |
| D6T XL Tier 3/EU Stage IIIa 2006-          | Hydraulic system |
| D6T XW Tier 3/EU Stage IIIa 2006-          | Hydraulic system |
| D7R Series II 2001-                        | Hydraulic system |
| D9T RJS Tier 3/EU Stage IIIa 2004-         | Hydraulic system |
| D10T RJG 2007-                             | Hydraulic system |
| <b>Cold Planers</b>                        |                  |
| PM102 Caterpillar C7 ACERT (Z2X ) 2008-    | Hydraulic system |
| PM200 Caterpillar C18 ACERT(P1C/P1M) 2008- | Hydraulic system |
| PM-201 PNM -                               |                  |

|                             |                          |  |
|-----------------------------|--------------------------|--|
|                             |                          | Hydraulic system, hydrostatic drive                                  |
|                             | PM-450C 7PJ -            | Hydraulic system, hydrostatic drive                                  |
|                             | PM-465 5ZS -             | Hydraulic system, hydrostatic drive                                  |
|                             | PM-565 -                 | Hydraulic system, hydrostatic drive                                  |
|                             | PM-565B 3TK -            | Hydraulic system, hydrostatic drive                                  |
| <b>Feller Bunchers</b>      |                          |  |
|                             | 511B 2012-               | Track rollers<br>Track idlers  |
|                             | 521B F7B 2012-           | Track rollers<br>Track idlers  |
|                             | 522B F7C 2012-           | Track rollers<br>Track idlers  |
| <b>Forest Harvesters</b>    |                          |  |
|                             | 568 FM YJX/BRB 2011-     | Hydraulic system   |
|                             | 568 GF YJX/BRB 2011-     | Hydraulic system   |
|                             | 568 LL YJX/BRB 2011-     | Hydraulic system   |
| <b>Forwarders</b>           |                          |  |
|                             | 554 TGH00001 -> 2006-    | Hydraulic system   |
|                             | 564 KBN00001 -> 2006-    | Hydraulic system   |
|                             | 574B CZZ00001 -> 2007-   | Hydraulic system   |
|                             | 574B RLS00001 -> 2007-   | Hydraulic system   |
| <b>Front Shovel</b>         |                          |  |
|                             | 5130B 4CS 1997-2003      | Hydraulic system<br>Track rollers<br>Track idlers                    |
|                             | 5230 7LL 1994-2000       | Hydraulic system<br>Track rollers<br>Carrier rollers<br>Track idlers |
|                             | 5230B 4HZ 2001-2004      | Hydraulic system<br>Track rollers<br>Carrier rollers<br>Track idlers |
| <b>Pneumatic Compactors</b> |                          |  |
|                             | PF-300C PFB 2004-2008    | Hydraulic system   |
|                             | PS-300C PFS 2004-2008    | Hydraulic system   |
| <b>Scrapers</b>             |                          |  |
|                             | 613C Series II 93X 2003- | Hydraulic system   |
|                             | 623F 6BK 1993-2001       | Elevator chain rollers   |
|                             | 623F 5EW 1993-2001       | Elevator chain rollers   |
|                             | 623G ARW 2000-           | Elevator chain rollers   |
| <b>Telescopic Handlers</b>  |                          |  |
|                             | TH210 CEC 2002-          | Hydraulic system   |
|                             | TH215 CEG 2002-          | Hydraulic system   |
| <b>Mini Excavators</b>      |                          |  |
|                             | 301.6C 2005-             | Hydraulic system<br>Track rollers<br>Track idlers                    |
|                             | 301.8C 2005-             | Hydraulic system<br>Track rollers<br>Track idlers                    |
|                             | 302.5C 2005-             | Hydraulic system<br>Track rollers<br>Track idlers                    |

|                     |           |   |
|---------------------|-----------|---|
| 303C CR             | 2005-     | Hydraulic system<br>Track rollers<br>Track idlers |
| 303.5C CR           | 2005-     | Hydraulic system<br>Track rollers<br>Track idlers |
| 304C CR             | 2005-     | Hydraulic system<br>Track rollers<br>Track idlers |
| 308C CR             | 2005-2008 | Track rollers<br>Track idlers                     |
| Tracked Excavators  |           |   |
| 305C CR             | 2005-     | Hydraulic system<br>Track rollers<br>Track idlers |
| 307B 5CW            | -         | Track idlers                                      |
| 307B 6KZ            | -         | Track idlers                                      |
| 307B 7DZ            | -         | Track idlers                                      |
| 307B AFB            | -         | Track idlers                                      |
| 307C L              | 2005-     | Track rollers<br>Track idlers                     |
| 311C U              | -         | Track rollers<br>Track idlers                     |
| 312D2 KLE           | 2013-     | Hydraulic system                                  |
| 312D2 GC RXZ        | 2013-     | Hydraulic system                                  |
| 313D2 PLD           | 2013-     | Hydraulic system                                  |
| 314C KJA            | -         | Hydraulic system                                  |
| 314C LCR            | -         | Hydraulic system<br>Track rollers<br>Track idlers |
| 315C L              | 2005-     | Track rollers<br>Track idlers                     |
| 318C L              | 2005-     | Track rollers<br>Track idlers                     |
| 318D L Series 2 TZS | 2012-     | Hydraulic system                                  |
| 320D A6F            | 2005-     | Hydraulic system                                  |
| 321B LCR 9CZ        | 1998-2002 | Track rollers<br>Track idlers                     |
| 321C LCR            | 2005-     | Hydraulic system<br>Track rollers<br>Track idlers |
| 321D LCR            | 2005-     | Hydraulic system<br>Track rollers<br>Track idlers |
| 324D                | 2005-     | Track rollers<br>Track idlers                     |
| 336E Hybrid         | 2013-     | Hydraulic system                                  |
| 385C L              | 2005-     | Hydraulic system                                  |
| 5110B AAT           | 2000-2003 | Hydraulic system<br>Track rollers<br>Track idlers |
| 5110B L AAK         | 2000-2003 | Hydraulic system<br>Track rollers<br>Track idlers |

|                                    |   |
|------------------------------------|---|
| 5110B ME AAA 2000-2003             | Hydraulic system<br>Track rollers<br>Track idlers                         |
| 5130B 4CS 1997-2003                | Hydraulic system<br>Track rollers<br>Track idlers                         |
| 5230 ME 7LL 1994-2000              | Hydraulic system<br>Track rollers<br>Carrier rollers<br>Track idlers      |
| Tracked Loaders                    |   |
| 953D LBP 2006-                     | Track rollers   |
| 963C 2DS 1997-2003                 | Hydraulic system  |
| 963C BBD 2003-2005                 | Hydraulic system  |
| 963D 2006-                         | Track rollers   |
| 973C 3RZ 1999-2003                 | Hydraulic system<br>Track rollers<br>Hydrostatic drive<br>Pump drive unit |
| 973C BCP 2003-2005                 | Hydraulic system<br>Track rollers<br>Hydrostatic drive                    |
| 973C LDX 2005-                     | Track rollers   |
| 973D LCP 2007-                     | Track rollers   |
| Vibratory Compactors               |   |
| CB-214D ITZ 2001-                  | Hydraulic system  |
| CB-214E 214 2007-                  | Hydraulic system  |
| CB-224D 8RZ 2001-                  | Hydraulic system  |
| CB-224E 224 2007-                  | Hydraulic system  |
| CB-225D 9FZ 2001-                  | Hydraulic system  |
| CB-225E 225 2007-                  | Hydraulic system  |
| CB-334D 3JZ -                      | Hydraulic system  |
| CB-334D 4CZ -                      | Hydraulic system  |
| CB-334D DCZ 2001-                  | Hydraulic system  |
| CB-334E C4F 2004-2006              | Hydraulic system  |
| CB-334E C4J 2004-2006              | Hydraulic system  |
| CB-334E C4X 2004-2006              | Hydraulic system  |
| CB-334E Series II XW C3D 2004-2006 | Hydraulic system  |
| CB-334E Series II C3E 2006-        | Hydraulic system  |
| CB-334E Series II C3A 2006-        | Hydraulic system  |
| CB-335D 5PZ -                      | Hydraulic system  |
| CB-335D BBW -                      | Hydraulic system  |
| CB-335D D4E 2001-                  | Hydraulic system  |
| CB-335E C5J 2004-2006              | Hydraulic system  |
| CB-335E C5F 2004-2006              | Hydraulic system  |
| CB-335E Series II C3F 2006-        | Hydraulic system  |
| CB-335E Series II C3C 2006-        | Hydraulic system  |
| CP-56 2006-                        | Hydraulic system  |



CP-64 2006- Drum cooling  
Hydraulic system  
Drum cooling

CP-74 2006- Hydraulic system  
Drum cooling

CP-76 2006- Hydraulic system  
Drum cooling

CP-563C 4KN00001 -> 00928 1995-2000  
Hydraulic system

CP-563C 4KN00929 -> 1995-2000  
Hydraulic system  
Drum cooling

CP-563C 4LN00001 -> 00806 1995-2000  
Hydraulic system

CP-563C 4LN00807 -> 1995-2000  
Hydraulic system  
Drum cooling

CP-563C 5JN00001 -> 00611 1995-2000  
Hydraulic system

CP-563C 5JN00612 -> 1995-2000  
Hydraulic system  
Drum cooling

CP-563C 5KN00001 -> 00239 1995-2000  
Hydraulic system

CP-563C 5KN00240 -> 1995-2000  
Hydraulic system  
Drum cooling

CP-563D 2000-2003  
Hydraulic system  
Drum cooling

CP-563E CNT 2003-  
Hydraulic system  
Drum cooling

CP-573E ASY 2003-  
Hydraulic system  
Drum cooling

CP-573E ASZ 2003-  
Hydraulic system  
Drum cooling

CP-663E ASF 2003-  
Hydraulic system  
Drum cooling

CS-56 2006- Hydraulic system  
Drum cooling

CS-64 2006- Hydraulic system  
Drum cooling

CS-74 2006- Hydraulic system  
Drum cooling

CS-76 2006- Hydraulic system  
Drum cooling

CS-563C 4KN00001 -> 00928 1995-2000  
Hydraulic system

CS-563C 4KN00929 -> 1995-2000  
Hydraulic system  
Drum cooling

CS-563C 4LN00001 -> 00806 1995-2000  
Hydraulic system

CS-563C 4LN00807 -> 1995-2000  
Hydraulic system  
Drum cooling

CS-563C 5JN00001 -> 00611 1995-2000  
Hydraulic system

CS-563C 5JN00612 -> 1995-2000  
Hydraulic system  
Drum cooling

CS-563C 5KN00001 -> 00239 1995-2000  
Hydraulic system

CS-563C 5KN00240 -> 1995-2000  
Hydraulic system  
Drum cooling

CS-563D 2000-2003  
Hydraulic system  
Drum cooling

CS-563E CNG 2003-  
Hydraulic system

|                              |  |
|------------------------------|--|
|                              | Drum cooling   |
| CS-573D                      | 2002-2003<br>Hydraulic system<br>Drum cooling              |
| CS-573E CNN                  | 2003-<br>Hydraulic system<br>Drum cooling                  |
| CS-583D                      | 2000-2003<br>Hydraulic system<br>Drum cooling              |
| CS-583E CNX                  | 2003-<br>Hydraulic system<br>Drum cooling                  |
| CS-663E ASB                  | 2003-<br>Hydraulic system<br>Drum cooling                  |
| CS-683E ASG                  | 2003-<br>Hydraulic system<br>Drum cooling                  |
| <b>Wheeled Excavators</b>    |  |
| M312C                        | -<br>Hydraulic system                                      |
| M313C H2A                    | 2005-<br>Hydraulic system                                  |
| M313C BDR                    | 2005-<br>Hydraulic system                                  |
| M313D W3H                    | 2005-<br>Hydraulic system                                  |
| M315C H2B                    | 2005-<br>Hydraulic system                                  |
| M315C BDM                    | 2005-<br>Hydraulic system                                  |
| M315D W5M                    | 2005-<br>Hydraulic system                                  |
| M316C H2C                    | 2005-<br>Hydraulic system                                  |
| M316C BDX                    | 2005-<br>Hydraulic system                                  |
| M316D W6A                    | 2005-<br>Hydraulic system                                  |
| M318C H2D, BC2               | 2005-<br>Hydraulic system                                  |
| M318C H2F                    | 2005-<br>Hydraulic system                                  |
| M318C BEB                    | 2005-<br>Hydraulic system                                  |
| M318D W8P                    | 2005-<br>Hydraulic system                                  |
| M318D W8R                    | 2005-<br>Hydraulic system                                  |
| M322C BDK                    | 2005-<br>Hydraulic system                                  |
| M322C BDY, H2E, H2G          | 2005-<br>Hydraulic system                                  |
| M322D W2S, W2T               | 2005-<br>Hydraulic system                                  |
| M325C PAN, XJA               | 2005-<br>Hydraulic system                                  |
| M325D EDF, S/N 0001->2000    | 2005-<br>Hydraulic system                                  |
| M325D EDF, S/N 2001 -> 2005- | Hydraulic system   |
| <b>Wheeled Loaders</b>       |  |
| 906H2 JRF                    | 2012-<br>Hydraulic system                                  |
| 907H2 JRS                    | 2012-<br>Hydraulic system                                  |
| 908H2 JRD                    | 2012-<br>Hydraulic system                                  |
| 914G                         | 1995-2008<br>Transmission, hydrostatic<br>Hydraulic system |
| 914G2 KNP...1-213            | 2009-<br>Hydraulic system                                  |
| 914G2 KNP...214->            | 2009-<br>Hydraulic system                                  |
| 924G                         | 1999-2008<br>Hydraulic system                              |
| 924Gz                        | 1999-2008<br>Hydraulic system                              |
| 928Gz                        | 2002-2008<br>Hydraulic system                              |

# Lubricant Report

|                   |                                  |           |   |
|-------------------|----------------------------------|-----------|---|
|                   | 930G                             | 2004-2008 | Hydraulic system                              |
|                   | 938G II                          | 2002-2008 | Hydraulic system                              |
|                   | 950G II                          | 2002-2006 | Hydraulic system                              |
|                   | 950H                             | 2006-     | Hydraulic system                              |
|                   | 962H                             | 2006-     | Hydraulic system                              |
|                   | 972H                             | 2006-     | Hydraulic system                              |
|                   | 980H                             | 2006-     | Hydraulic system                              |
|                   | 988H                             | 2006-     | Hydraulic system                              |
|                   | 990H                             | 2006-     | Hydraulic system                              |
|                   | 992G                             | 2006-     | Power steering hydraulic system               |
|                   | 994F                             | 2005-     | Hydraulic system                              |
|                   | IT14G                            | 1995-     | Transmission, hydrostatic<br>Hydraulic system |
|                   | IT14G2 ERP...1-213               | 2009-     | Hydraulic system                              |
|                   | IT14G2 ERP...214->               | 2009-     | Hydraulic system                              |
|                   | <b>Wheeled Material Handlers</b> |           |   |
|                   | M318C MH BEB                     | 2005-     | Hydraulic system                              |
|                   | M318D MH W8R                     | 2005-     | Hydraulic system                              |
|                   | M325C MH PAN/XJA                 | 2004-     | Hydraulic system                              |
| <b>Cheng Gong</b> | <b>Wheeled Loaders</b>           |           |   |
|                   | CG935G                           | -         | Engine Cummins QSB5.9                         |
|                   | CG938H                           | -         | Engine Cummins QSB6.7                         |
|                   | CG958G                           | -         | Engine Cummins QSB6.7                         |
|                   | CG958H                           | -         | Engine Cummins QSB6.7                         |
| <b>Claas</b>      | <b>Telescopic Handlers</b>       |           |   |
|                   | Scorpion 6030                    | -         | Engine Deutz TCD 2010 L04                     |
|                   | Scorpion 7030                    | -         | Engine Deutz TCD 2010 L04                     |
|                   | Scorpion 7040                    | -         | Engine Deutz TCD 2010 L04                     |
|                   | Scorpion 7045                    | -         | Engine Deutz TCD 2010 L04                     |
|                   | Scorpion 9040                    | -         | Engine Deutz TCD 2010 L04                     |
| <b>Clark</b>      | <b>Forklift Trucks, Diesel</b>   |           |   |
|                   | C15D Generation 2                | 2011-     | Engine Yanmar 4TNV88                          |
|                   | C18D Generation 2                | 2011-     | Engine Yanmar 4TNV88                          |
|                   | C20sD Generation 2               | 2011-     | Engine Yanmar 4TNV88                          |
|                   | C20D Generation 2                | 2011-     | Engine Yanmar 4TNE98                          |
|                   | C25D Generation 2                | 2011-     | Engine Yanmar 4TNE98                          |
|                   | C30D Generation 2                | 2011-     | Engine Yanmar 4TNE98                          |
|                   | C35D Generation 2                | 2011-     | Engine Yanmar 4TNE98                          |
|                   | C40D Generation 2                | 2011-     | Engine Kubota V3800-T                         |
|                   | C45D Generation 2                | 2011-     | Engine Kubota V3800-T                         |
|                   | C50sD Generation 2               | 2011-     | Engine Kubota V3800-T                         |

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|                             |                             |           |                         |
|-----------------------------|-----------------------------|-----------|-------------------------|
|                             | C55sD Generation 2          | 2011-     | Engine Kubota V3800-T   |
|                             | C60D Generation 2           | 2011-     | Engine Iveco F4GE9454C  |
|                             | C70D Generation 2           | 2011-     | Engine Iveco F4GE9454C  |
|                             | C80D Generation 2           | 2011-     | Engine Iveco F4GE9454C  |
| Forklift Trucks, LPG/Petrol |                             |           |                         |
|                             | CMP40L                      | -         | Engine GM Vortec 4300LT |
|                             | CMP45L                      | -         | Engine GM Vortec 4300LT |
|                             | CMP50SL                     | -         | Engine GM Vortec 4300LT |
|                             | CMP50L                      | -         | Engine GM Vortec 4300LT |
|                             | CMP60L                      | -         | Engine GM Vortec 4300LT |
|                             | CMP70L                      | -         | Engine GM Vortec 4300LT |
|                             | CMP75SL                     | -         | Engine GM Vortec 4300LT |
| Ditch Witch                 |                             |           |                         |
|                             | Vibratory plows             |           |                         |
|                             | 100SX Honda GX340           | -         | Engine GX340            |
| Doosan (Daewoo)             |                             |           |                         |
|                             | Forklift Trucks, LPG/Petrol |           |                         |
|                             | D15S-2 Mitsubishi G420      | 2000-2007 | Engine Mitsubishi G420  |
|                             | G18S-2 Mitsubishi G420      | 2000-2007 | Engine Mitsubishi G420  |
|                             | G20SC-2 Mitsubishi G420     | 2000-2007 | Engine Mitsubishi G420  |
|                             | G25P-3 Mitsubishi G430      | 1998-2003 | Engine Mitsubishi G430  |
|                             | G30P-3 Mitsubishi G430      | 1998-2003 | Engine Mitsubishi G430  |
|                             | G33P-3 Mitsubishi G430      | 1998-2003 | Engine Mitsubishi G430  |
|                             | GC20P-3 Mitsubishi G430     | 2004-2007 | Engine Mitsubishi G430  |
|                             | GC25P-3 Mitsubishi G430     | 2004-2007 | Engine Mitsubishi G430  |
|                             | GC30P-3 Mitsubishi G430     | 2004-2007 | Engine Mitsubishi G430  |
|                             | GC32P-3 Mitsubishi G430     | 2004-2007 | Engine Mitsubishi G430  |
|                             | Wheeled Excavators          |           |                         |
|                             | Solar 55W-V Plus            | -         | Transmission            |
|                             | Solar 140W-V Daewoo DB58TIS | 2003-2007 | Transmission Powershift |
|                             | Solar 160W-V Daewoo DB58TIS | 2003-2007 | Transmission Powershift |
|                             | Solar 180W-V Daewoo DB58TIS | 2003-2007 | Transmission Powershift |
|                             | Solar 210W-V Daewoo DB58TIS | 2003-2007 | Transmission Powershift |
| Dynapac                     |                             |           |                         |
|                             | Rollers                     |           |                         |
|                             | CC900G 88240233->           | 2008-2011 | Engine Honda GX620K/U   |
|                             | CC900G 8824CN3001->         | 2011-     | Engine Honda GX620K/U   |
| Earthforce                  |                             |           |                         |
|                             | Backhoe Loaders             |           |                         |
|                             | EF 1                        | 1995-2001 | Engine                  |
|                             | EF 1D                       | 1995-2001 | Engine                  |
|                             | EF 2                        | 1995-2001 | Engine                  |
|                             | EF 3                        | 1995-2001 | Engine                  |
|                             | EF 4                        | 1995-2001 | Engine                  |
|                             | EF 4SP                      | -2001     | Engine                  |
|                             | EF 5                        | 1995-2001 | Engine                  |

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|       |  |   |                         |
|-------|--|---|-------------------------|
|       |  | SSK -2001   | Engine                  |
| Extec | Screens  |   |                         |
|       |  | S-6 -   | Engine Deutz BFM-2012C  |
| Fiat  | Forklift Trucks, Gas                             |   |                         |
|       |  | XG15 -  | Engine Gas              |
|       |  | XG18 -  | Engine Gas              |
|       |  | XG20 -  | Engine Gas              |
|       |  | XG25 -  | Engine Gas              |
|       |  | XG30 -  | Engine Gas              |
| Gehl  | Skid steer loaders                               |   |                         |
|       |  | V400 2012-  | Travel reduction units  |
|       | Mini/Compact excavators                          |   |                         |
|       |  | Z17 Yanmar 3TNV70-XBV Tier IV 2012-                       | Engine Yanmar 3TNV70    |
|       |  | Z27 Yanmar 3TNV82A-SBV Tier IV 2012-                      | Engine Yanmar 3TNV82A   |
|       |  | Z35 Yanmar 3TNV88-BQBVB -                                 | Engine Yanmar 3TNV88    |
|       |  | Z35 Gen2 Yanmar 3TNV88F-ESBV Tier IV (S/N 00701 ->) 2012- | Engine Yanmar 3TNV88F   |
|       |  | Z45 Yanmar 4TNV88-BXBV Tier IV 2012-                      | Engine Yanmar 4TNV88    |
|       |  | Z80 Yanmar 4TNV98-ZWBV1 Tier IV 2012-                     | Engine Yanmar 4TNV98    |
| Genie | Articulating booms, self propelled bi-energy     |   |                         |
|       |  | Z-45/25 IC Narrow Ford LRG 425 EFI -                      | Engine Ford LRG-425 EFI |
|       |  | Z-45/25J IC Narrow Ford LRG 425 EFI -                     | Engine Ford LRG-425 EFI |
|       |  | Z-60/34 Ford LRG 425 EFI -                                | Engine Ford LRG-425 EFI |
|       | Articulating booms, self propelled rough terrain |   |                         |
|       |  | Z-45/25RT Ford LRG 425 EFI -                              | Engine Ford LRG-425 EFI |
|       |  | Z-45/25J RT Ford LRG 425 EFI -                            | Engine Ford LRG-425 EFI |
|       | Generators                                       |   |                         |
|       |  | T15G (GGG-19214 ->) Isuzu 4LE1 -                          | Engine Isuzu 4LE1       |
|       |  | T15G (GGG-19214 ->) Kubota V1505-E -                      | Engine Kubota V1505     |
|       |  | T25G (GGG-19214 ->) Isuzu 4LE1 -                          | Engine Isuzu 4LE1       |
|       |  | T25G (GGG-19214 ->) Kubota V1505-E -                      | Engine Kubota V1505     |
|       |  | T25I Isuzu 4LE1 -   | Engine Isuzu 4LE1       |
|       |  | T45I Isuzu 4JG1T -  | Engine Isuzu 4JG1T      |
|       | Light Towers                                     |   |                         |
|       |  | AL-4L (AL4L10-001 ->) Kubota D1105 -                      | Engine Kubota D1105     |
|       |  | AL-5L (AL5L10-001 ->) Kubota D1105 -                      | Engine Kubota D1105     |
|       |  | AL-4000D1 (FKF-13923 ->) Kubota D905 -                    | Engine Kubota D905      |
|       |  | AL-4000D2 Kubota D1105 -                                  | Engine Kubota D1105     |
|       |  | AL-5000 Isuzu 4LE1 -                                      | Engine Isuzu 4LE1       |
|       |  | AL-5000 Kubota D1105 -                                    | Engine Kubota D1105     |
|       |  | AL-8000HT Isuzu 4LE1 -                                    | Engine Isuzu 4LE1       |
|       |  | AL-8000HT Kubota D1105-E -                                | Engine Kubota D1105     |
|       |  | AL-8000HT Kubota V1505-E -                                | Engine Kubota V1505     |
|       |  | RL-4000 Kubota D1105 -                                    | Engine Kubota D1105     |

RL-4000D1 (FOF-15979 ->) Kubota D905 -  
Engine Kubota D905  
RL-4000D2 Kubota D1105 -  
Engine Kubota D1105  
TML-4000 Kubota D1105 -  
Engine Kubota D1105

Scissor lifts, self propelled rough terrain  
GS-2668 RT Kubota DF752, (101 - 41999) -2007  
Engine Kubota DF752  
GS-2668 RT Kubota DF752, (42000 - 44770) -2007  
Engine Kubota DF752  
GS-3268 RT Kubota DF752, (101 - 41999) -2007  
Engine Kubota DF752  
GS-3268 RT Kubota DF752, (42000 - 44770) -2007  
Engine Kubota DF752  
GS-3268 RT Kubota DF752, (44771 -) 2008-  
Engine Kubota DF752  
GS-3384 RT Deutz D2011 L03i (40001 - 40296) 2008-  
Engine Deutz D 2011 L03i  
GS-3384 RT Deutz D2011 L03i (40297 - 40832) 2008-  
Engine Deutz D 2011 L03i  
GS-3384 RT Deutz D2011 L03i (40833 - 42003) 2008-  
Engine Deutz D 2011 L03i  
GS-3384 RT Deutz D2011 L03i (42004 -) 2008-  
Engine Deutz D 2011 L03i  
GS-3384 RT Deutz F3L 1011F (40001 - 40296) 2008-  
Engine Deutz F3L-1011F  
GS-3384 RT Deutz F3L 1011F (40297 -) 2008-  
Engine Deutz F3L-1011F  
GS-3384 RT Deutz F3L 2011F (40833 -) 2008-  
Engine Deutz F3L-2011  
GS-3384 RT GM (40001 - 40296) 2008-  
Engine GM  
GS-3384 RT GM (40297 - 40832) 2008-  
Engine GM  
GS-3390 RT Deutz D2011 L03i (42686 - 47228) 2008-  
Engine Deutz D 2011 L03i  
GS-3390 RT Deutz D2011 L03i (47229 -) 2008-  
Engine Deutz D 2011 L03i  
GS-3390 RT Deutz F3L 2011F (42686 -) 2008-  
Engine Deutz F3L-2011  
GS-4390 RT Deutz D2011 L03i (42686 - 47228) 2008-  
Engine Deutz D 2011 L03i  
GS-4390 RT Deutz D2011 L03i (47229 -) 2008-  
Engine Deutz D 2011 L03i  
GS-4390 RT Deutz F3L 2011F (42686 -) 2008-  
Engine Deutz F3L-2011  
GS-5390 RT Deutz D2011 L03i (42686 - 47228) 2008-  
Engine Deutz D 2011 L03i  
GS-5390 RT Deutz D2011 L03i (47229 -) 2008-  
Engine Deutz D 2011 L03i  
GS-5390 RT Deutz F3L 2011F (42686 -) 2008-  
Engine Deutz F3L-2011

Telehandlers  
AGRI-625 19057 -> -  
Engine Deutz D 2011 L04W  
AGRI-730 19241 -> -  
Engine Deutz D 2011 L04W  
GTH-644 Deutz, GTH0606A-8418 -> -  
Engine Deutz BF4-2012  
GTH-644 Deutz, GTH0606B-6271 -> -  
Engine Deutz BF4-2012  
GTH-842 Deutz, GTH0806A-8418 -> -  
Engine Deutz BF4-2012  
GTH-842 Deutz, GTH0808B-6958 -> -  
Engine Deutz BF4-2012  
GTH-844 Deutz, GTH0806A-8418 -> -  
Engine Deutz BF4-2012  
GTH-844 Deutz, GTH0808B-6956 -> -  
Engine Deutz BF4-2012  
GTH-2506 (10841 -> 17105) - Deutz F4M2011 -  
Engine Deutz F4M-2011  
GTH-2506 (17106 -> 18956) - Deutz F4M2011 -  
Engine Deutz F4M-2011  
GTH-2506 (18957 ->) - Deutz D2011L04 -  
Engine Deutz D 2011 L04W  
GTH-3007 (19051 ->) - Deutz TD 2011 L04W Tier 3 -  
Engine Deutz D 2011 L04W  
GTH-3512 (16248 -> 17660) - Deutz BF4M2011 -  
Engine Deutz F4M-2011  
GTH-4020 R (12888 ->) - Deutz BF4M2012 -  
Engine Deutz BF4M-2012

|                 |   |
|-----------------|---|
|                 | GTH-4518 R (12508 -> 19125) - Deutz BF4M2012 -<br>Engine Deutz BF4M-2012        |
|                 | GTH-5519 (19006 ->) Deutz D 2011-L04W Tier 3 -<br>Engine Deutz D 2011 L04W      |
|                 | GTH-5519 S (19006 ->) Deutz D 2011-L04W Tier 3 -<br>Engine Deutz D 2011 L04W    |
|                 | GTH-5519 S (19388 ->) Perkins 804D-33 Tier 3 -<br>Engine Perkins 804D-33        |
|                 | Telescopic booms, self propelled  |
|                 | S-40 (3804 -> 4728) Ford LRG-423 -<br>Engine Ford LRG-423                       |
|                 | S-40 (4729 -> 7000) Deutz L3F 1011F -<br>Engine Deutz F3L-1011F                 |
|                 | S-40 (4729 -> 7000) Ford LRG-425 EFI -<br>Engine Ford LRG-425 EFI               |
|                 | S-45 (4729 -> 7000) Deutz L3F 1011F -<br>Engine Deutz F3L-1011F                 |
|                 | S-45 (4729 -> 7000) Ford LRG-425 EFI -<br>Engine Ford LRG-425 EFI               |
|                 | S-60 Ford LRG 425 EFI -<br>Engine Ford LRG-425 EFI                              |
|                 | S-60 Deutz D2011L03i (S6010-21001->) 2012-<br>Engine Deutz D 2011 L03i          |
|                 | S-60 Deutz TD2011L04i (S6010-21001->) 2012-<br>Engine Deutz TD 2011 L04i        |
|                 | S-60HC Deutz D2011L03i (S60HC10-21001->) 2012-<br>Engine Deutz D 2011 L03i      |
|                 | S-60HC Deutz TD2011L04i (S60HC10-21001->) 2012-<br>Engine Deutz TD 2011 L04i    |
|                 | S-60 TraX Deutz D2011L03i (S60TX10-21001->) 2012-<br>Engine Deutz D 2011 L03i   |
|                 | S-60 TraX Deutz TD2011L04i (S60TX10-21001->) 2012-<br>Engine Deutz TD 2011 L04i |
|                 | S-60X Deutz D2011L03i (S60X10-21001->) 2012-<br>Engine Deutz D 2011 L03i        |
|                 | S-60X Deutz TD2011L04i (S60X10-21001->) 2012-<br>Engine Deutz TD 2011 L04i      |
|                 | S-60XC Deutz D2011L03i (S60XC10-21001->) 2012-<br>Engine Deutz D 2011 L03i      |
|                 | S-60XC Deutz TD2011L04i (S60XC10-21001->) 2012-<br>Engine Deutz TD 2011 L04i    |
|                 | S-65 Ford LRG 425 EFI -<br>Engine Ford LRG-425 EFI                              |
|                 | S-65 Deutz D2011L03i (S6510-21001->) 2012-<br>Engine Deutz D 2011 L03i          |
|                 | S-65 Deutz TD2011L04i (S6510-21001->) 2012-<br>Engine Deutz TD 2011 L04i        |
|                 | S-65 TraX Deutz D2011L03i (S65TX10-21001->) 2012-<br>Engine Deutz D 2011 L03i   |
|                 | S-65 TraX Deutz TD2011L04i (S65TX10-21001->) 2012-<br>Engine Deutz TD 2011 L04i |
|                 | S-80 Ford LRG 425 EFI -<br>Engine Ford LRG-425 EFI                              |
| Grove Worldwide |   |
|                 | Articulating Boom Platforms 'MANLIFT'   |
|                 | AMZ-68 -<br>Engine Ford CSG-649-1V  |
|                 | AMZ-68T -<br>Engine Ford CSG-649-1V   |
|                 | AMZ-86 -<br>Engine Ford CSG-649-1V  |
|                 | AMZ-86XT -<br>Engine Ford CSG-649-1V  |
|                 | AMZ-106 -<br>Engine Ford CSG-649-1V   |
|                 | AMZ-106XT -<br>Engine Ford CSG-649-1V   |
|                 | Telescopic Boom Platforms 'MANLIFT'   |
|                 | MZ.48B -<br>Engine Ford 300-CSG-649   |
|                 | MZ.66B -<br>Engine Ford 300-CSG-649   |
|                 | MZ.90C -<br>Engine Ford 300-CSG-649   |
|                 | MZ.116C -<br>Engine Ford 300-CSG-649  |
| Hanix           |   |
|                 | Tracked Excavators  |
|                 | H75B -<br>Engine Kubota V3300   |
|                 | Wheeled Loaders   |
|                 | HL 145 2011-  |

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|         |                                    |  |
|---------|------------------------------------|--|
|         |                                    | Engine Yanmar 4TNV98T-Z                  |
|         | HL 155 2011-                       | Engine Yanmar 4TNV98T-Z                  |
|         | HL 165 2011-                       | Engine Yanmar 4TNV98T-Z                  |
| Hitachi |                                    |  |
|         | Tracked Excavators                 |  |
|         | EX 1200-5 -                        | Engine Hitachi 56R-Y1TAA1                |
|         | Tracked Excavators                 |  |
|         | ZX 14-3 -                          | Engine Yanmar 3TNV70                     |
|         | ZX 16 -                            | Engine Isuzu 3YB1                        |
|         | ZX 18 -                            | Engine Isuzu 3YB1                        |
|         | ZX 25 -                            | Engine Isuzu 3YE1                        |
|         | ZX 60USB-3                         | Yanmar KDN-4TNV98 -<br>Engine KDN-4TNV98 |
|         | ZX 180LC-3 2008-                   | Pump drive unit                          |
|         | ZX 180LCN-3 2008-                  | Pump drive unit                          |
|         | ZX 210-3 2008-                     | Pump drive unit                          |
|         | ZX 210LC-3 2008-                   | Pump drive unit                          |
|         | ZX 210LCN-3 2008-                  | Pump drive unit                          |
|         | ZX 270-3 2008-                     | Pump drive unit                          |
|         | ZX 270LC-3 2008-                   | Pump drive unit                          |
|         | ZX 330-3 2006-                     | Pump drive unit                          |
|         | ZX 330LC-3 2006-                   | Pump drive unit                          |
| Honda   |                                    |  |
|         | Lawn tractors                      |  |
|         | H4013 MZAR (1000001 -> 1002450) -  | Transmission, manual<br>Engine GXV390    |
|         | H4013 MZAR (1002451 -> 9999999) -  | Engine GXV390<br>Transmission, manual    |
|         | H4514H MZAS (1000001 -> 9999999) - | Engine GX360                             |
|         | H4518H MZAT (1000001 -> 9999999) - | Engine GX640                             |
| Huddig  |                                    |  |
|         | Utility Backhoe Loader             |  |
|         | 1160D 4232 -> 2006-                | Engine Cummins 6BTAA5,9                  |
| Hyundai |                                    |  |
|         | Generators, Diesel                 |  |
|         | HCP6500D -                         | Engine Hyundai D400 10HP                 |
|         | DHY2500E -                         | Engine Hyundai D200 4.2 HP               |
|         | DHY2500L -                         | Engine Hyundai D200 4.2 HP               |
|         | DHY2500LE -                        | Engine Hyundai D200 4.2 HP               |
|         | DHY4000E -                         | Engine Hyundai D300 6HP                  |
|         | DHY4000L -                         | Engine Hyundai D300 6HP                  |
|         | DHY4000LE -                        | Engine Hyundai D300 6HP                  |
|         | DHY4000SE -                        | Engine Hyundai D300 6HP                  |
|         | DHY6000E -                         | Engine Hyundai D400 10HP                 |
|         | DHY6000L -                         | Engine Hyundai D400 10HP                 |
|         | DHY6000LE -                        | Engine Hyundai D400 10HP                 |
|         | DHY6000E-3 -                       | Engine Hyundai D400 10HP                 |
|         | DHY6000L-3 -                       | Engine Hyundai D400 10HP                 |



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|                     |                           |   |                                |
|---------------------|---------------------------|---|--------------------------------|
|                     | DHY6000LE-3               | -   | Engine Hyundai D400 10HP       |
|                     | DHY6000SE                 | -   | Engine Hyundai D400 10HP       |
|                     | DHY6000SE-3               | -   | Engine Hyundai D400 10HP       |
|                     | DHY12000LE                | -   | Engine Hyundai D840            |
|                     | DHY12000LE-3              | -   | Engine Hyundai D840            |
|                     | DHY12000SE                | -   | Engine Hyundai D840            |
|                     | DHY12000SE-3              | -   | Engine Hyundai D840            |
|                     | DHY15000LE                | -   | Engine Hyundai D870            |
|                     | DHY15000LE-3              | -   | Engine Hyundai D870            |
|                     | DHY15000SE                | -   | Engine Hyundai D870            |
|                     | DHY15000SE-3              | -   | Engine Hyundai D870            |
|                     | DHYW180AC                 | -   | Engine Hyundai D400 10HP       |
|                     | DHYW190AC                 | -   | Engine Hyundai D400 10HP       |
| Generators, Petrol  | HHD1250                   | -   | Engine Hyundai                 |
|                     | HHD3500                   | -   | Engine Hyundai 6.5 HP          |
|                     | HHD6250                   | -   | Engine Hyundai IC340 11HP      |
|                     | HHD7250                   | -   | Engine Hyundai IC390 13HP      |
|                     | HY1000Si                  | -   | Engine Hyundai HX53 (XG-144F)  |
|                     | HY2000Si                  | -   | Engine Hyundai HX125 (XG-152F) |
|                     | HY2000SEi                 | -   | Engine Hyundai HX125 (XG-152F) |
|                     | HY3000Si                  | -   | Engine Hyundai HX149 (XG-157F) |
|                     | HY3000SEi                 | -   | Engine Hyundai HX149 (XG-157F) |
|                     | HY3600SEi                 | -   | Engine Hyundai HX229           |
| Skid steer loaders  | HSL650-7                  | Kubota V2203M DI 2010-<br>Chain case                            |                                |
|                     | HSL850-7                  | Kubota V3300DI 2010-<br>Chain case                              |                                |
| JCB                 | Backhoe Loaders           |   |                                |
|                     | 3C 2WD, 960001->989999    | 2010-<br>Engine   |                                |
|                     | 3CX 2WD, 1327000->1349999 | 2010-<br>Engine   |                                |
|                     | 3CX 4WD, 1327000->1349999 | 2010-<br>Engine   |                                |
|                     | 4CX 2WD, 1616000->1625999 | 2010-<br>Engine   |                                |
|                     | 4CX 4WD, 1616000->1625999 | 2010-<br>Engine   |                                |
|                     | CX Midi 2011-             | Engine Perkins 404C-22  |                                |
| Telescopic Handlers | 515-40                    | Deutz D2009L04 Stage IIIa / Tier 3 -<br>Engine Deutz D 2009 L04 |                                |
|                     | 526S Loadall              | -<br>Engine JCB 444   |                                |
|                     | 530-70                    | -<br>Engine A Series  |                                |
|                     | 531.70 Agri Super         | -2008<br>Engine   |                                |
|                     | 531-70                    | -2008<br>Engine   |                                |
|                     | 533-105                   | -2008<br>Engine A Series  |                                |
|                     | 535-60                    | -<br>Engine A Series  |                                |
|                     | 535-125                   | 2004-2008   |                                |

# Lubricant Report

|              |  |                              |
|--------------|--|------------------------------|
|              |  | Engine                       |
|              | 535-140                                    | 2004-2008                    |
|              |  | Engine                       |
|              | 536-60                                     | -2008                        |
|              |  | Engine                       |
|              | 540-140                                    | -2008                        |
|              |  | Engine                       |
|              | 541-70                                     | -2008                        |
|              |  | Engine                       |
|              | Wheeled Loaders                            |                              |
|              | 426 Tier 2                                 | 532500->1258999 2001-2007    |
|              |  | Engine Cummins 6BTAA5.9C     |
|              |  | Transmission ZF 4WG160       |
|              | 426e Tier 3                                | 1259000-> 2008-              |
|              |  | Transmission ZF 4WG160       |
|              | 434 S                                      | 2009-                        |
|              |  | Transmission ZF 6WG210       |
|              | 436  | 533692->534199 -             |
|              |  | Transmission ZF 4WG190       |
|              |  | Engine                       |
|              | 436 Tier 2                                 | 534200->1304999 2001-2004    |
|              |  | Transmission ZF 4WG190       |
|              |  | Engine Cummins 6BTAA5.9C     |
|              | 436 Tier 2                                 | 1305000->1409999 2004-2008   |
|              |  | Engine Cummins 6BTAA5.9C     |
|              |  | Transmission ZF 4WG190       |
|              | 436e Tier 3                                | 1410000-> 2008-              |
|              |  | Transmission ZF 4WG190       |
| JLG          | Boom lifts with internal combustion engine |                              |
|              | 680S Ford                                  | LRG-425 -                    |
|              |  | Engine Ford LRG-425          |
| John Deere   | Excavators                                 |                              |
|              | 17 ZTS                                     | 2005-                        |
|              |  | Engine Isuzu 3YB1            |
|              | 27C ZTS                                    | 2005-                        |
|              |  | Engine Isuzu 3LD1            |
|              | 35C ZTS                                    | 2005-                        |
|              |  | Engine Isuzu 3LD1            |
|              | 50C ZTS                                    | 2005-                        |
|              |  | Engine Isuzu 4LE1            |
| Jungheinrich | Forklift Trucks, LPG                       |                              |
|              | TFG 20 BK BX-J                             | 2001-                        |
|              |  | Engine GM 3.0 L4             |
|              | TFG 20 BS BH-J                             | 2001-                        |
|              |  | Engine GM 3.0 L4             |
|              | TFG 25 BK BX-J                             | 2001-                        |
|              |  | Engine GM 3.0 L4             |
|              | TFG 25 BS BH-J                             | 2001-                        |
|              |  | Engine GM 3.0 L4             |
|              | TFG 30 BK BX-J                             | 2001-                        |
|              |  | Engine GM 3.0 L4             |
|              | TFG 30 BS BH-J                             | 2001-                        |
|              |  | Engine GM 3.0 L4             |
|              | TFG 40 CK CX-J                             | 2001-                        |
|              |  | Engine GM 4.3L V6            |
|              | TFG 40 CS CH-J                             | 2001-                        |
|              |  | Engine GM 4.3L V6            |
|              | TFG 45 CK CX-J                             | 2001-                        |
|              |  | Engine GM 4.3L V6            |
|              | TFG 45 CS CH-J                             | 2001-                        |
|              |  | Engine GM 4.3L V6            |
|              | TFG 50 CK CX-J                             | 2001-                        |
|              |  | Engine GM 4.3L V6            |
|              | TFG 50 CS CH-J                             | 2001-                        |
|              |  | Engine GM 4.3L V6            |
|              | TFG 540                                    | -                            |
|              |  | Engine GM 4.3L V6            |
|              | TFG 545                                    | -                            |
|              |  | Engine GM 4.3L V6            |
|              | TFG 550                                    | -                            |
|              |  | Engine GM 4.3L V6            |
| Kato         | Tracked excavators                         |                              |
|              | HD820 III                                  | 9379107 -> 2005-             |
|              |  | Engine Mitsubishi 6D34-TLE2A |
|              |  | Track rollers                |
|              |  | Track idlers                 |
|              | HD820 III-LC                               | 9379107 -> 2005-             |
|              |  | Engine Mitsubishi 6D34-TLE2A |

# Lubricant Report

|            |   |                                |
|------------|---|--------------------------------|
|            |   | Track rollers                  |
|            |   | Track idlers                   |
|            | HD1023 9478101 -> -                                     | Engine Mitsubishi 6D16-TE1     |
|            |   | Track rollers                  |
|            |   | Track idlers                   |
|            | HD1023 LC 9478101 -> -                                  | Engine Mitsubishi 6D16-TE1     |
|            |   | Track rollers                  |
|            |   | Track idlers                   |
|            | HD2045 III 8775501 -> 2004-                             | Engine Mitsubishi 6D24-TLE2A   |
|            |   | Track rollers                  |
|            |   | Track idlers                   |
| Komatsu    | Forklift Trucks, Diesel                                 |                                |
|            | FD15H-IE -  | Engine Perkins KR104-22        |
|            | FD18H-IE -  | Engine Perkins KR104-22        |
|            | Tracked Excavators                                      |                                |
|            | PC26MR-3 F30413-> 2008-                                 | Engine Komatsu 3D76E-5 Stage 2 |
|            | PC30MR-3 16619-> 2008-                                  | Engine Komatsu 3D88E-6         |
|            | PC35MR-3 16619-> 2008-                                  | Engine Komatsu 3D88E-6         |
| Kubota     | Tracked Excavators                                      |                                |
|            | K008-3 2006-  | Engine Kubota D722             |
|            | U10-3 2003-   | Engine Kubota D722             |
|            | U17-3 Alpha 2008-                                       | Engine Kubota D902             |
|            | U30-3 Alpha2 2008-2011                                  | Engine Kubota D1503-M          |
|            | U35-3 Alpha2 2008-2011                                  | Engine Kubota D1503-M          |
| Liebherr   | Materials Handling Machines                             |                                |
|            | LH 22 M Stage IIIB 2013-                                | Transmission                   |
|            | Wheeled Excavators                                      |                                |
|            | A314 Litronic 57085 -> 2011-                            | Transferbox                    |
|            | A914C Litronic Liebherr D934S 2007-                     | Transferbox                    |
|            | A914C Litronic DPF Liebherr D934S (EU Stage IIIA) 2007- | Transferbox                    |
|            | A916 Litronic DPF Liebherr D834 (EU Stage IIIB) 2012-   | Transferbox                    |
|            | A920 Litronic DPF Liebherr D834 (EU Stage IIIB) 2012-   | Transferbox                    |
|            | A924C Litronic Liebherr D934L 2007-                     | Transferbox                    |
|            | A924C Litronic DPF Liebherr D934L (EU Stage IIIA) 2007- | Transferbox                    |
|            | A934C Litronic S/N 49011 -> 2007-                       | Transmission                   |
|            | A934C Litronic + DPF S/N 49011 -> 2007-                 | Transmission                   |
|            | A934C HD Litronic S/N 49011 -> 2007-                    | Transmission                   |
|            | A934C HD Litronic + DPF S/N 49011 -> 2007-              | Transmission                   |
| Linde      | Forklift Trucks, Diesel (394 Series)                    |                                |
|            | H50 2003-   | Engine                         |
|            | Forklift Trucks, LPG (394 Series)                       |                                |
|            | H50 2003-   | Engine VW                      |
| Merlo      | Telescopic Handlers, Panoramic                          |                                |
|            | P20.6 SC -1983  | Engine Perkins 500             |
| Mitsubishi | Transport Refrigeration System                          |                                |
|            | TNV63C -  | Engine Mitsubishi L3E          |
|            | TNW4E -   |                                |

# Lubricant Report

|             |   |                           |
|-------------|---|---------------------------|
|             |   | Engine L2E                |
|             | TNW5E -                                     | Engine L2E                |
|             | TNW6E -                                     | Engine Mitsubishi L3E     |
|             | TNW7E -                                     | Engine Mitsubishi L3E     |
|             | TNW7EA -                                    | Engine Mitsubishi L3E     |
|             | TU42D -                                     | Engine L2E                |
|             | TU42DX -                                    | Engine L2E                |
|             | TU73D -                                     | Engine S3L                |
|             | TU73E -                                     | Engine S3L                |
|             | TU73EX -                                    | Engine S3L                |
| Moxy        | Articulated Dump Trucks                     |                           |
|             | MT26-SIII S/N 710912 -> -                   | Transmission ZF 6WG 260-4 |
|             | MT31-SIII S/N 730001 -> -                   | Transmission ZF 6WG 260-4 |
|             | MT36 S/N 810109-> -                         | Transmission ZF 6WG 310-4 |
|             | MT40B 2001-2004                             | Engine                    |
|             | MT41 S/N 810109-> -                         | Transmission ZF 6WG 310-4 |
| Nissan      | Forklift Trucks, LPG/Petrol                 |                           |
|             | F04L40HQ -                                  | Engine Nissan TB45        |
|             | F04L40Q -                                   | Engine Nissan TB45        |
|             | F04L45Q -                                   | Engine Nissan TB45        |
|             | F04L50Q -                                   | Engine Nissan TB45        |
|             | F05 -                                       | Engine Nissan TB45        |
| Paus        | Articulated Loaders                         |                           |
|             | RL 655 Deutz F4L2011 (Stage II) 2006-2008   | Engine Deutz F4L-2011     |
|             | RL 855 Deutz BF4L2011 (Stage II) 2006-2008  | Engine Deutz BF4L-2011    |
|             | Swivel loaders                              |                           |
|             | SL 655 Deutz F4L2011 (Stage II) 2006-2008   | Engine Deutz F4L-2011     |
|             | SL 755 Deutz BF4L2011 (Stage II) 2006-2008  | Engine Deutz BF4L-2011    |
|             | Telescopic loaders                          |                           |
|             | TL 855 Deutz BF4L2011 (Stage II) 2006-2008  | Engine Deutz BF4L-2011    |
|             | TSL 855 Deutz BF4L2011 (Stage II) 2006-2008 | Engine Deutz BF4L-2011    |
| Powerscreen | Mining & Quarrying Equipment                |                           |
|             | Chieftain 1700 -                            | Engine                    |
|             | Chieftain 2100 (2 Deck) Deutz BF4M-2012 -   | Engine Deutz BF4M-2012    |
|             | Chieftain 2100 (3 Deck) Deutz BF4M-2012 -   | Engine Deutz BF4M-2012    |
|             | Chieftain 2100X (2 Deck) Deutz BF4M-2012 -  | Engine Deutz BF4M-2012    |
|             | Chieftain 2100X (3 Deck) Deutz BF4M-2012 -  | Engine Deutz BF4M-2012    |
|             | Chieftain 2400 -                            | Engine Deutz BF6M-2012C   |
|             | Commander 510 -                             | Engine Deutz BF4M-1012C   |
|             |   | Engine Deutz BF4M-1013    |
|             |   | Engine Deutz BF4M-1012    |
|             |   | Engine Deutz BF4M-1013C   |
|             | Conveyors -                                 | Engine Deutz BF4L-1011F   |
|             | Horizon H6203 R -                           | Engine Deutz BF6M-2012C   |

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|                 |  |                          |
|-----------------|--|--------------------------|
|                 | Trommel 511 -  | Engine Deutz BF4L-2011   |
|                 | Turbo Shredder -   | Engine Cummins           |
| Rammax          | Vibratory Trench Roller<br>RW-1515 -   | Engine Hatz 2G40         |
| Redrock         | Telehandlers<br>TH300 -  | Engine Perkins           |
| Sennebogen      | Tracked Excavators<br>830R Deutz BF6M-1013EC 1996-2007   | Engine Deutz BF6M-1013EC |
|                 | Wheeled Excavators<br>S830M -  | Engine Deutz B6M-1013EC  |
| Skyjack         | Telescopic Boom Lifts<br>SJ 40T Deutz D2011 L3i 2008-<br>Engine Deutz D 2011 L3i                             |                          |
|                 | SJ 45T Deutz D2011 L3i 2008-<br>Engine Deutz D 2011 L3i  |                          |
|                 | SJ 46A Deutz D2011 L3i 2008-<br>Engine Deutz D 2011 L3i  |                          |
|                 | SJ 46AJ Deutz D2011 L3i 2008-<br>Engine Deutz D 2011 L3i   |                          |
|                 | SJ 51AJ Deutz D2011 L3i 2008-<br>Engine Deutz D 2011 L3i   |                          |
|                 | SJ 61T Deutz D2011 L4i 2008-<br>Engine Deutz D 2011 L4i  |                          |
|                 | SJ 66T Deutz D2011 L4i 2008-<br>Engine Deutz D 2011 L4i  |                          |
| Snorkel/Upright | AB-series<br>AB-46 I/C Kubota WG750 S/N1000 -> -<br>Engine Kubota WG750                                      |                          |
|                 | AB46E I/C Kubota WG750 -<br>Engine Kubota WG750  |                          |
|                 | SL-series<br>SL26RT Kubota WG750 -<br>Engine Kubota WG750  |                          |
|                 | SL30RT Kubota WG750 -<br>Engine Kubota WG750   |                          |
| Svetruck        | Lift trucks<br>32120-48 Scania -<br>Engine Scania  |                          |
|                 | 37120-54 Scania -<br>Engine Scania   |                          |
|                 | 42120-54 Scania -<br>Engine Scania   |                          |
|                 | 45120-57 Scania -<br>Engine Scania   |                          |
|                 | 50120-60 Scania -<br>Engine Scania   |                          |
|                 | 52120-60 Scania -<br>Engine Scania   |                          |
|                 | Logstackers<br>TMF 12/9 Scania -<br>Engine Scania  |                          |
|                 | TMF 15/11 Scania -<br>Engine Scania  |                          |
|                 | TMF 25/18 Scania -<br>Engine Scania  |                          |
|                 | TMF 28/21 Scania -<br>Engine Scania  |                          |
| TCM             | Skid steer loaders<br>707EN Kubota V2403-M -<br>Engine Kubota V2403-M  |                          |
|                 | 709EN Kubota V2403-M -<br>Engine Kubota V2403-M  |                          |
| Terberg         | Rail road locomotive tractors<br>RR 222 6x4 Mercedes OM906LA Stage 3A -<br>Transmission, automatic ZF 6WG211 |                          |
|                 | RR 222 6x4 Mercedes OM926LA Stage 3B -<br>Transmission, automatic ZF 6WG211                                  |                          |
|                 | Swap body carriers   |                          |

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|                   |  |
|-------------------|--|
|                   | BC 182 Mercedes OM904LA Stage 3A -<br>Transmission, automatic ZF 3WG161  |
| Terminal tractors |  |
|                   | RT 223 4x4 Mercedes OM906LA Stage 3A -<br>Transmission, automatic ZF 6WG211  |
|                   | RT 223 4x4 Mercedes OM926LA Stage 3B -<br>Transmission, automatic ZF 6WG211  |
|                   | RT 223 4x4 Volvo TAD750VE -<br>Transmission, automatic ZF 6WG211   |
|                   | RT 283 4x4 Mercedes OM906LA Stage 3A -<br>Transmission, automatic ZF 6WG211  |
|                   | RT 283 4x4 Mercedes OM926LA Stage 3B -<br>Transmission, automatic ZF 6WG211  |
|                   | RT 283 4x4 Volvo TAD750VE Stage 3A -<br>Transmission, automatic ZF 6WG211  |
|                   | RT 382 4x4 Cummins QSM11-335 Tier 3 -<br>Transmission, automatic ZF 6WG260   |
|                   | TT 183 (DT) Mercedes OM906LA Stage 3A -<br>Transmission, automatic ZF 5WG191<br>Transmission, automatic ZF 6WG211<br>Transmission, automatic ZF 3WG161 |
|                   | TT 183 (DT) Mercedes OM924LA Stage 3B -<br>Transmission, automatic ZF 5WG191<br>Transmission, automatic ZF 6WG211<br>Transmission, automatic ZF 3WG161 |
|                   | TT 223 Volvo TAD750VE Stage IIIA -<br>Transmission, automatic ZF 3WG161  |
|                   | YT 182 Cummins QSB6.7C -<br>Transmission, automatic ZF 3WG161  |
|                   | YT 182 Mercedes OM906LA -<br>Transmission, automatic ZF 3WG161   |
|                   | YT 222 Cummins QSB6.7C -<br>Transmission, automatic ZF 3WG161  |
| Terex             |  |
|                   | Terexlift  |
|                   | TB42 Ford LRG-425 2001-<br>Engine Ford LRG-425   |
|                   | TB42 Deutz F3L1011 2001-<br>Engine Deutz F3L-1011  |
|                   | TB50 Ford LRG-425 2001-<br>Engine Ford LRG-425   |
|                   | TB50 Deutz F3L1011 2001-<br>Engine Deutz F3L-1011  |
|                   | TB60 Ford LRG-425 2001-<br>Engine Ford LRG-425   |
|                   | TB60 Deutz F3L1011 2001-<br>Engine Deutz F3L-1011  |
|                   | TB66 Ford LRG-425 2001-<br>Engine Ford LRG-425   |
|                   | TB66 Deutz F3L1011 2001-<br>Engine Deutz F3L-1011  |
|                   | TS30RT 1998-<br>Engine Deutz F3L-1011  |
|                   | TS37RT 1998-<br>Engine Deutz F3L-1011  |
|                   | Wheeled Loaders  |
|                   | TL70 Tier 4i TL07020100-> 2012-<br>Hydraulic system  |
|                   | TL70S Tier 4i TL07020100-> 2012-<br>Hydraulic system   |
| Thaler            |  |
|                   | Telescopic loaders   |
|                   | 2748/TA -<br>Engine Yanmar<br>Hydraulic system   |
|                   | Wheeled loaders  |
|                   | 2748/A -<br>Engine Yanmar<br>Hydraulic system  |
| Toyota            |  |
|                   | Skid Steer Loaders   |
|                   | 2SGK-6 (Petrol) -<br>Engine  |
|                   | 3SDK-3 (Petrol) -<br>Engine  |
|                   | 3SDK-4 (Petrol) -<br>Engine  |
|                   | 3SDK-5 (Petrol) -<br>Engine  |
| Vermeer           |  |
|                   | Compactors   |
|                   | TC-4a -  |

|               |                    |  |
|---------------|--------------------|--|
|               |                    | Engine Hatz 2G40   |
| Volvo         |                    |  |
|               | Wheeled Loaders    |  |
|               |                    | L330C 1995-1999  |
|               |                    | Engine Volvo TD164KAE  |
| Wacker Neuson |                    |  |
|               | Tracked Excavators |  |
|               |                    | 28Z3 Yanmar 3TNV76 -<br>Engine Yanmar 3TNV76                                     |
|               |                    | 50Z3 Yanmar 4TNV88-PNS Tier 2 (-> AD07125) -<br>Engine Yanmar 4TNV88-PNS         |
|               |                    | 50Z3 Yanmar 4TNV88-BPNS Tier 3a/4i (AH00579 ->) -<br>Engine Yanmar 4TNV88-BPNS   |
|               |                    | 1404 Yanmar 3TNV76 -<br>Engine Yanmar 3TNV76                                     |
|               |                    | 1703 Yanmar 3TNV76 (<- AF04765) -<br>Engine Yanmar 3TNV76                        |
|               |                    | 1703 Yanmar 3TNV76 (AF04766 ->) -<br>Engine Yanmar 3TNV76                        |
|               |                    | 2003 Yanmar 3TNV76 (<-AF04765) -<br>Engine Yanmar 3TNV76                         |
|               |                    | 2003 Yanmar 3TNV76 (AF04766 ->) -<br>Engine Yanmar 3TNV76                        |
|               |                    | 2404 Yanmar 3TNV76 -<br>Engine Yanmar 3TNV76                                     |
|               |                    | 2503 Kubota D1403-B(E) (AB00001-> AC09999) -<br>Engine Kubota D1403              |
|               |                    | 2503 Yanmar 3TNE88-ENSR1 (AD00001->) -<br>Engine Yanmar 3TNE88-ENSR              |
|               |                    | 2503 Yanmar 3TNV88-SNS Tier 2 (AD00001->) -<br>Engine Yanmar 3TNV88-SNS          |
|               |                    | 2503 Yanmar 3TNV88-BSNS Tier 3 (AD00001->) -<br>Engine Yanmar 3TNV88-BSNS        |
|               |                    | 3003 Kubota D1703-B(E) (AB00001-> AC09999) -<br>Engine Kubota D1703              |
|               |                    | 3003 Yanmar 3TNE88-ENSR2 (AD00001->) -<br>Engine Yanmar 3TNE88-ENSR              |
|               |                    | 3503 Kubota D1703-B(E) (AB00001-> AC09999) -<br>Engine Kubota D1703              |
|               |                    | 3503 Yanmar 4TNE88-ENSR (AD00001->) -<br>Engine Yanmar 4TNE88-ENSR               |
|               |                    | 3503 Yanmar 4TNV88-WNS Tier 2 (AD00001->) -<br>Engine Yanmar 4TNV88-WNS          |
|               |                    | 3503 Yanmar 4TNV88-BWNS Tier 3/4i (AD00001->) -<br>Engine Yanmar 4TNV88-BWNS     |
|               |                    | 3703 Kubota D1703-B(E) (AB00001-> AC09999) -<br>Engine Kubota D1703              |
|               |                    | 3703 Yanmar 4TNE88-ENSR (AD00001->) -<br>Engine Yanmar 4TNE88-ENSR               |
|               |                    | 3703 Yanmar 4TNV88-WNS Tier 2 (AD00001->) -<br>Engine Yanmar 4TNV88-WNS          |
|               |                    | 3703 Yanmar 4TNV88-BWNS Tier 3/4i (AD00001->) -<br>Engine Yanmar 4TNV88-BWNS     |
|               | Wheeled Excavators |  |
|               |                    | 9503 Deutz TCD 2012 L04 2008-2010<br>Engine Deutz TCD 2012 L04                   |
|               | Wheeled Loaders    |  |
|               |                    | WL180 Yanmar 3TNV88 -<br>Engine Yanmar 3TNV88                                    |
|               |                    | WL280 Yanmar 4TNV88 -<br>Engine Yanmar 4TNV88                                    |
|               | Dumpers            |  |
|               |                    | 1001 Yanmar 3TNE74-NSR3 (<- BB001360) -<br>Engine Yanmar 3TNE74                  |
|               |                    | 1001 Yanmar 3TNE76-XNSV (AB100001H ->) -<br>Engine Yanmar 3TNV76                 |
|               |                    | 1501/S Yanmar 3TNE74-NSR3 (<- AC000335) -<br>Engine Yanmar 3TNE74                |
|               |                    | 1501/S Yanmar 3TNE76-XNSV (AB150001H/AB150002D ->) -<br>Engine Yanmar 3TNV76     |
|               |                    | 3001/S Yanmar 3TNV88-KNSV-Tier 2 (AC31003 -> AD310241) -<br>Engine Yanmar 3TNV88 |
|               |                    | 3001/S Yanmar 3TNV88-BKNSV-Tier 3 (AE310242 ->) -<br>Engine Yanmar 3TNV88        |
|               |                    | 6001/S Perkins 1004 (<- AA60080D) -<br>Engine Perkins 1004                       |
|               |                    | 6001/S Perkins 1104C-44 (<- AD00001) -<br>Engine Perkins 1104C-44                |
|               |                    | 6001/S Deutz TD2011-L04 (AD00001 -> AD60000) -<br>Engine Deutz TD 2011 L04       |
|               |                    | 9001 Perkins 1004 (<- AA91012F) -<br>Engine Perkins 1004                         |

# Lubricant Report

|                                    |   |
|------------------------------------|---|
|                                    | 9001 Perkins 1104C-44T (AB91013F ->) -<br>Engine Perkins 1104C-44T  |
|                                    | 10001 Perkins 1004 (<- AA91012F) -<br>Engine Perkins 1004           |
|                                    | 10001 Perkins 1104C-44T (AB91013F ->) -<br>Engine Perkins 1104C-44T |
| Rollers                            | RT560 Lombardini 12LD435-2 -<br>Engine Lombardini 12LD435-2         |
|                                    | RT820 Lombardini 12LD435-2 -<br>Engine Lombardini 12LD435-2         |
| Yale                               | Forklift Trucks, LPG/Petrol<br>GLP 45 VX -<br>Engine GM 4.3L        |
| Yanmar                             | Tracked Excavators  |
|                                    | SV100-1 2006-<br>Engine Yanmar 4TNV98T                              |
|                                    | ViO33U 2011-<br>Engine Yanmar 3TNV82                                |
|                                    | ViO75-C 2009-<br>Engine Yanmar 4TNV98                               |
|                                    | ViO80U 2011-<br>Engine Yanmar 4TNV98                                |
| <b>Internal Combustion Engines</b> |   |
| Acme Motori                        | Diesel Engines - ADN Series   |
|                                    | AD 230 -<br>Engine  |
|                                    | AD 320 -<br>Engine  |
|                                    | AD 350 -<br>Engine  |
|                                    | ADN 37W -<br>Engine   |
|                                    | ADN 43W -<br>Engine   |
|                                    | ADN 47W -<br>Engine   |
|                                    | ADN 54W -<br>Engine   |
| Briggs & Stratton                  | 050000-models   |
|                                    | 050000 Vanguard -<br>Engine B&S 050000                              |
|                                    | 080000-models   |
|                                    | 085400 -<br>Engine B&S 080000                                       |
|                                    | 086400 -<br>Engine B&S 080000                                       |
|                                    | 090000-models   |
|                                    | 093200 I/C / Power Built -<br>Engine B&S 090000                     |
|                                    | 093400 I/C / Power Built -<br>Engine B&S 090000                     |
|                                    | 100000-models   |
|                                    | 10K900 Classic / Sprint / Quattro -<br>Engine B&S 100000            |
|                                    | 110000-models   |
|                                    | 110400 -<br>Engine B&S 110000                                       |
|                                    | 110600 -<br>Engine B&S 110000                                       |
|                                    | 111400 -<br>Engine B&S 110000                                       |
|                                    | 111600 Intek / Intek Edge / Intek Pro -<br>Engine B&S 110000        |
|                                    | 113400 -<br>Engine B&S 110000                                       |
|                                    | 115400 -<br>Engine B&S 117400                                       |
|                                    | 117400 -<br>Engine B&S 117400                                       |
|                                    | 118400 -<br>Engine B&S 118400                                       |
|                                    | 11A600 Intek / Intek Edge / Intek Pro -<br>Engine B&S 110000        |
|                                    | 11C600 Intek / Intek Edge / Intek Pro -<br>Engine B&S 110000        |
|                                    | 825/850/875-series Intek / Intek Edge / Intek Pro -                 |



# Lubricant Report



Engine B&S 110000

120000-models

120400 -  
Engine B&S 120000

120600 Intek / Intek Edge / Intek Pro -  
Engine B&S 120000

121100 Power Built / Intek / I/C -  
Engine B&S 120000

121300 Power Built / Intek / I/C -  
Engine B&S 120000

121400 -  
Engine B&S 120000

122000 Power Built / Intek / I/C -  
Engine B&S 120000

122100 Power Built / Intek / I/C -  
Engine B&S 120000

122200 Power Built / Intek / I/C -  
Engine B&S 120000

122300 Power Built / Intek / I/C -  
Engine B&S 120000

122400 Power Built / Intek / I/C -  
Engine B&S 120000

123300 Power Built / Intek / I/C -  
Engine B&S 120000

123400 -  
Engine B&S 120000

123600 Intek / Intek Edge / Intek Pro -  
Engine B&S 120000

124400 Power Built / Intek / I/C -  
Engine B&S 120000

125300 Power Built / Intek / I/C -  
Engine B&S 120000

125600 Intek / Intek Edge / Intek Pro -  
Engine B&S 120000

126400 Power Built / Intek / I/C -  
Engine B&S 120000

127400 Power Built / Intek / I/C -  
Engine B&S 120000

127600 Intek / Intek Edge / Intek Pro -  
Engine B&S 120000

128400 Power Built / Intek / I/C -  
Engine B&S 120000

129600 Intek / Intek Edge / Intek Pro -  
Engine B&S 120000

12B600 Intek / Intek Edge / Intek Pro -  
Engine B&S 120000

12C100 Power Built Snow -  
Engine B&S 120000

12C400 Power Built Snow -  
Engine B&S 120000

12C600 Intek / Intek Edge / Intek Pro -  
Engine B&S 120000

12D400 Power Built Snow -  
Engine B&S 120000

12D600 Intek / Intek Edge / Intek Pro -  
Engine B&S 120000

12E100 Power Built Snow -  
Engine B&S 120000

12E300 Power Built Snow -  
Engine B&S 120000

12E400 Power Built Snow -  
Engine B&S 120000

12E600 Intek / Intek Edge / Intek Pro -  
Engine B&S 120000

12F600 Intek / Intek Edge / Intek Pro -  
Engine B&S 120000

12G600 Intek / Intek Edge / Intek Pro -  
Engine B&S 120000

12H600 Intek / Intek Edge / Intek Pro -  
Engine B&S 120000

12J600 Intek / Intek Edge / Intek Pro -  
Engine B&S 120000

12K300 Intek -  
Engine B&S 120000

12K600 Intek -  
Engine B&S 120000

12R100 Power Built Snow -  
Engine B&S 120000

12R200 Power Built Snow -  
Engine B&S 120000

12S600 Intek / Intek Edge / Intek Pro -  
Engine B&S 120000

# Lubricant Report

- 825/850/875 Series I/C -
  - Engine B&S 120000
- 825/850/875/900 Series Intek I/C -
  - Engine B&S 120000
- 825/850/875/900 Series Power Built -
  - Engine B&S 120000
- 120000-models
  - 121700 Quantum -
    - Engine B&S 120000
  - 122M00 Quantum -
    - Engine B&S 120000
  - 127700 Quantum -
    - Engine B&S 120000
  - 127800 Quantum -
    - Engine B&S 120000
  - 128700 Quantum -
    - Engine B&S 120000
  - 128800 Quantum -
    - Engine B&S 120000
  - 129700 Quantum -
    - Engine B&S 120000
  - 12A800 Quantum -
    - Engine B&S 120000
  - 12C700 Quantum -
    - Engine B&S 120000
  - 12C800 Quantum -
    - Engine B&S 120000
  - 12D800 Quantum -
    - Engine B&S 120000
  - 12E700 Quantum -
    - Engine B&S 120000
  - 12E800 Quantum -
    - Engine B&S 120000
  - 12F700 Quantum -
    - Engine B&S 120000
  - 12F800 Quantum -
    - Engine B&S 120000
  - 12G700 Quantum -
    - Engine B&S 120000
  - 12G800 Quantum -
    - Engine B&S 120000
  - 12H800 Quantum -
    - Engine B&S 120000
  - 12J700 Quantum -
    - Engine B&S 120000
  - 12J800 Quantum -
    - Engine B&S 120000
  - 12L700 Quantum -
    - Engine B&S 120000
  - 12L800 Quantum -
    - Engine B&S 120000
  - 12M900 Quantum -
    - Engine B&S 120000
  - 12P800 Quantum -
    - Engine B&S 120000
  - 12S700 Quantum -
    - Engine B&S 120000
  - 12S800 Quantum -
    - Engine B&S 120000
  - 12T700 Quantum -
    - Engine B&S 120000
  - 12T800 Quantum -
    - Engine B&S 120000
  - 12U800 Quantum -
    - Engine B&S 120000
  - 12V800 Quantum -
    - Engine B&S 120000
  - 12W800 Quantum -
    - Engine B&S 120000
  - 12X800 Quantum -
    - Engine B&S 120000
  - 600-series Quantum -
    - Engine B&S 120000
- 130000-models
  - 133200 -
    - Engine B&S 130000
  - 133400 -
    - Engine B&S 130000
  - 134200 -
    - Engine B&S 130000
  - 134400 -
    - Engine B&S 130000

# Lubricant Report



|               |                             |                   |
|---------------|-----------------------------|-------------------|
| 135200        | -                           | Engine B&S 130000 |
| 136200        | -                           | Engine B&S 130000 |
| 137200        | -                           | Engine B&S 130000 |
| 138400        | Vanguard -                  | Engine B&S 130000 |
| 180000-models |                             |                   |
| 184400        | -                           | Engine B&S 184400 |
| 185400        | -                           | Engine B&S 185400 |
| 187400        | -                           | Engine B&S 187400 |
| 190000-models |                             |                   |
| 192400        | -                           | Engine B&S 190000 |
| 196400        | -                           | Engine B&S 190000 |
| 197400        | -                           | Engine B&S 190000 |
| 19E400        | -                           | Engine B&S 190000 |
| 19F400        | -                           | Engine B&S 190000 |
| 19G400        | -                           | Engine B&S 190000 |
| 19K400        | -                           | Engine B&S 190000 |
| 200000-models |                             |                   |
| 201400        | Power Built / Intek / I/C - | Engine B&S 200000 |
| 203400        | Power Built / Intek / I/C - | Engine B&S 200000 |
| 204400        | Power Built / Intek / I/C - | Engine B&S 200000 |
| 205400        | Power Built / Intek / I/C - | Engine B&S 200000 |
| 206400        | Power Built / Intek / I/C - | Engine B&S 200000 |
| 207400        | Power Built / Intek / I/C - | Engine B&S 200000 |
| 20A400        | Power Built / Snow -        | Engine B&S 200000 |
| 20C100        | Power Built / Snow -        | Engine B&S 200000 |
| 20D400        | Power Built / Snow -        | Engine B&S 200000 |
| 20E100        | Power Built / Snow -        | Engine B&S 200000 |
| 20E200        | Power Built / Snow -        | Engine B&S 200000 |
| 20E300        | Power Built / Snow -        | Engine B&S 200000 |
| 20E400        | Power Built / Snow -        | Engine B&S 200000 |
| 20F400        | Power Built / Snow -        | Engine B&S 200000 |
| 20G400        | Power Built / Snow -        | Engine B&S 200000 |
| 210000-models |                             |                   |
| 210400        | Power Built / Intek / I/C - | Engine B&S 210000 |
| 210700        | Power Built / Intek / I/C - | Engine B&S 210000 |
| 210800        | Power Built / Intek / I/C - | Engine B&S 210000 |
| 212700        | Power Built / Intek / I/C - | Engine B&S 210000 |
| 215900        | Power Built / Intek / I/C - | Engine B&S 210000 |
| 216700        | Power Built / Intek / I/C - | Engine B&S 210000 |
| 216800        | Power Built / Intek / I/C - | Engine B&S 210000 |
| 216900        | Power Built / Intek / I/C - | Engine B&S 210000 |
| 21A100        | Power Built Snow -          | Engine B&S 210000 |
| 21A400        | Power Built Snow -          | Engine B&S 210000 |

# Lubricant Report



|               |                           |  |
|---------------|---------------------------|--|
|               | 21B400 Power Built Snow - |  |
|               | Engine B&S 210000         |  |
|               | 21C100 Power Built Snow - |  |
|               | Engine B&S 210000         |  |
|               | 21C300 Power Built Snow - |  |
|               | Engine B&S 210000         |  |
| 230000-models |                           |  |
|               | 235400 -                  |  |
|               | Engine B&S 230000         |  |
|               | 237400 -                  |  |
|               | Engine B&S 230000         |  |
| 240000-models |                           |  |
|               | 245400 -                  |  |
|               | Engine B&S 240000         |  |
|               | 246400 -                  |  |
|               | Engine B&S 246400         |  |
|               | 247400 -                  |  |
|               | Engine B&S 247400         |  |
| 250000-models |                           |  |
|               | 250400 -                  |  |
|               | Engine B&S 250000         |  |
|               | 256400 -                  |  |
|               | Engine B&S 250000         |  |
|               | 257400 -                  |  |
|               | Engine B&S 250000         |  |
| 280000-models |                           |  |
|               | 280700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 281700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 282700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 283700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 284700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 285700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 286700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 287700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 288700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 289700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 28A700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 28B700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 28D700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 28F700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 28M700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 28N700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 28P700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 28Q700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 28R700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 28S700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 28T700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 28U700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 28V700 -                  |  |
|               | Engine B&S 280000         |  |
|               | 28W700 -                  |  |
|               | Engine B&S 280000         |  |
| 310000-models |                           |  |
|               | 310700 -                  |  |
|               | Engine B&S 310000         |  |
|               | 311700 -                  |  |
|               | Engine B&S 310000         |  |
|               | 312700 -                  |  |
|               | Engine B&S 310000         |  |
| 400000-models |                           |  |

# Lubricant Report

|               |   |
|---------------|---|
|               | 406500 Extended Life / Intek -<br>Engine B&S 400000   |
|               | 407600 Extended Life / Intek -<br>Engine B&S 400000   |
|               | 40F700 Extended Life / Intek -<br>Engine B&S 400000   |
| 420000-models |   |
|               | 422700 -<br>Engine B&S 420000                         |
|               | 42A700 -<br>Engine B&S 420000                         |
|               | 42B700 -<br>Engine B&S 420000                         |
|               | 42D700 -<br>Engine B&S 420000                         |
|               | 42E700 -<br>Engine B&S 420000                         |
| 430000-models |   |
|               | 430400 Vanguard 3/LC -<br>Engine B&S 430000 LC        |
| 440000-models |   |
|               | 445700 Extended Life / Intek -<br>Engine B&S 440000   |
| 460000-models |   |
|               | 460700 -<br>Engine B&S 460000                         |
|               | 461700 -<br>Engine B&S 460000                         |
|               | 462700 -<br>Engine B&S 460000                         |
|               | 463700 -<br>Engine B&S 460000                         |
| 470000-models |   |
|               | 473100 Vanguard -<br>Engine B&S 470000 LC             |
|               | 474100 -<br>Engine B&S 470000 LC                      |
| 610000-models |   |
|               | 613100 Vanguard -<br>Engine B&S 610000 LC             |
| Deutz         |   |
| Large Engines |   |
|               | S/BAM 816, with centrifugal oil filter -<br>Engine    |
|               | S/BAM 816, without centrifugal oil filter -<br>Engine |
| 413/513       |   |
|               | F6L 413 -<br>Engine Deutz F6L-413                     |
|               | F6L 413W -<br>Engine Deutz F6L-413W                   |
|               | F6L 413FW -<br>Engine Deutz F6L-413FW                 |
|               | F6L 413L -<br>Engine Deutz F6L-413L                   |
|               | F6L 413V -<br>Engine Deutz F6L-413V                   |
|               | F8L 413 -<br>Engine Deutz F8L-413                     |
|               | F8L 413F -<br>Engine Deutz F8L-413F                   |
|               | F8L 413FW -<br>Engine Deutz F8L-413FW                 |
|               | F8L 413FZ -<br>Engine Deutz F8L-413FZ                 |
|               | F8L 413L -<br>Engine Deutz F8L-413L                   |
|               | F8L 413W -<br>Engine Deutz F8L-413W                   |
|               | F10L 413 -<br>Engine Deutz F10L-413                   |
|               | F10L 413F -<br>Engine Deutz F10L-413F                 |
|               | F10L 413FW -<br>Engine Deutz F10L-413FW               |
|               | F10L 413FZ -<br>Engine Deutz F10L-413FZ               |
|               | F10L 413L -<br>Engine Deutz F10L-413L                 |
|               | F10L 413W -<br>Engine Deutz F10L-413W                 |
|               | F12L 413 -  |

|                 |                          |
|-----------------|--------------------------|
|                 | Engine Deutz F12L-413    |
| F12L 413F -     | Engine Deutz F12L-413F   |
| F12L 413FW -    | Engine Deutz F12L-413FW  |
| F12L 413FZ -    | Engine Deutz F12L-413FZ  |
| F12L 413L -     | Engine Deutz F12L-413L   |
| BF6L 413 -      | Engine Deutz BF6L-413    |
| BF6L 413F -     | Engine Deutz BF6L-413F   |
| BF6L 413FW -    | Engine Deutz BF6L-413FW  |
| BF8L 413 -      | Engine Deutz BF8L-413    |
| BF8L 413F -     | Engine Deutz BF8L-513F   |
| BF10L 413 -     | Engine Deutz BF10L-413   |
| BF10L 413F -    | Engine Deutz BF10L-413F  |
| BF10L 413FW -   | Engine Deutz BF10L-413FW |
| BF12L 413 -     | Engine Deutz BF12L-413   |
| BF12L 413F -    | Engine Deutz BF12L-413F  |
| BF12L 413FW -   | Engine Deutz BF12L-413FW |
| F6 L513 -       | Engine                   |
| F6 L513F -      | Engine                   |
| F6 L513FW -     | Engine                   |
| F6 L513T -      | Engine                   |
| F8 L513 -       | Engine                   |
| F8 L513L -      | Engine                   |
| F8 L513T -      | Engine                   |
| F10 L513 -      | Engine                   |
| F10 L513F -     | Engine                   |
| F10 L513L -     | Engine                   |
| F10 L513T -     | Engine                   |
| F12 L513 -      | Engine                   |
| F12 L513F -     | Engine                   |
| F12 L513FW -    | Engine                   |
| F12 L513L -     | Engine                   |
| F12 L513T -     | Engine                   |
| BF6 L513 125 -  | Engine                   |
| BF6 L513 128 -  | Engine                   |
| BF6 L513C -     | Engine                   |
| BF6 L513F -     | Engine                   |
| BF6 L513FW -    | Engine                   |
| BF8 L513 125 -  | Engine                   |
| BF8 L513 128 -  | Engine                   |
| BF8 L513C -     | Engine                   |
| BF10 L513 125 - | Engine                   |
| BF10 L513 128 - | Engine                   |

|         |                 |                        |
|---------|-----------------|------------------------|
|         |                 | Engine                 |
|         | BF10 L513C -    | Engine                 |
|         | BF10 L513F -    | Engine                 |
|         | BF12 L513 125 - | Engine                 |
|         | BF12 L513 128 - | Engine                 |
|         | BF12 L513C -    | Engine                 |
|         | BF12 L513F -    | Engine                 |
|         | BF12 L513FW -   | Engine                 |
| 912/913 |                 | Engine                 |
|         | F3L 912 -       | Engine Deutz F3L-912   |
|         | F4L 912 -       | Engine Deutz F4L-912   |
|         | F4L 912W -      | Engine Deutz F4L-912W  |
|         | F5L 912 -       | Engine Deutz F5L-912   |
|         | F6L 912 -       | Engine Deutz F6L-912   |
|         | F6L 912W -      | Engine Deutz F6L-912W  |
|         | F3L 913 -       | Engine Deutz F3L-913   |
|         | F3L 913W -      | Engine Deutz F3L-913W  |
|         | F4L 913 -       | Engine Deutz F4L-913   |
|         | F6L 913 -       | Engine Deutz F6L-913   |
|         | BF4L 913 -      | Engine Deutz BF4L-913  |
|         | BF6L 913 -      | Engine Deutz BF6L-913  |
|         | BF6L 913C -     | Engine Deutz BF6L-913C |
| 914     |                 | Engine Deutz BF6L-913C |
|         | F3L 914 -       | Engine Deutz F3L-914   |
|         | F4L 914 -       | Engine Deutz F4L-914   |
|         | F5L 914 -       | Engine Deutz F5L-914   |
|         | F6L 914 -       | Engine Deutz F6L-914   |
|         | BF3L 914 -      | Engine Deutz BF3L-914  |
|         | BF4L 914 -      | Engine Deutz BF4L-914  |
|         | BF6L 914 -      | Engine Deutz BF6L-914  |
|         | BF6L 914C -     | Engine Deutz BF6L-914C |
| 1008    |                 | Engine Deutz BF6L-914C |
|         | F2M 1008 -      | Engine Deutz F2M-1008  |
|         | F3M 1008 -      | Engine Deutz F3M-1008  |
|         | F4M 1008 -      | Engine Deutz F4M-1008  |
|         | BF4M 1008 -     | Engine Deutz BF4M-1008 |
|         | F2M 1008F -     | Engine Deutz F2M-1008F |
|         | F3M 1008F -     | Engine Deutz F3M-1008F |
|         | F4M 1008F -     | Engine Deutz F4M-1008F |
| 1011    |                 | Engine Deutz F4M-1008F |
|         | F2L 1011 -      | Engine Deutz F2L-1011  |
|         | F2L 1011F -     | Engine Deutz F2L-1011F |
|         | F3L 1011 -      | Engine Deutz F3L-1011  |
|         | F3L 1011F -     | Engine Deutz F3L-1011F |

|                                  |   |  |
|----------------------------------|---|--|
|                                  |   | Engine Deutz F3L-1011F                               |
| F3M 1011F                        | - | Engine Deutz F3M-1011F                               |
| F4L 1011                         | - | Engine Deutz F4L-1011                                |
| F4L 1011F                        | - | Engine Deutz F4L-1011F                               |
| F4M 1011F                        | - | Engine Deutz F4M-1011F                               |
| F4L 1011FL                       | - | Engine Deutz F4L-1011FL                              |
| BF3L 1011F                       | - | Engine Deutz BF3L-1011F                              |
| BF3L 1011L                       | - | Engine Deutz BF3L-1011F                              |
| BF3M 1011F                       | - | Engine Deutz BF3M-1011F                              |
| BF4L 1011F                       | - | Engine Deutz BF4L-1011F                              |
| BF4L 1011FT                      | - | Engine Deutz BF4L-1011FT                             |
| BF4M 1011F                       | - | Engine Deutz BF4M-1011F                              |
| 1012/1013 (non-agricultural use) |   |  |
| BF4M 1012                        | - | Engine Deutz BF4M-1012                               |
| BF4M 1012E                       | - | Engine Deutz BF4M-1012E                              |
| BF4M 1012C                       | - | Engine Deutz BF4M-1012C                              |
| BF4M 1012EC                      | - | Engine Deutz BF4M-1012EC                             |
| BF6M 1012                        | - | Engine Deutz BF6M-1012                               |
| BF6M 1012E                       | - | Engine Deutz BF6M-1012E                              |
| BF6M 1012C                       | - | Engine Deutz BF6M-1012C                              |
| BF6M 1012EC                      | - | Engine Deutz BF6M-1012EC                             |
| BF4M 1013                        | - | Engine Deutz BF4M-1013                               |
| BF4M 1013C                       | - | Engine Deutz BF4M-1013C                              |
| BF4M 1013E                       | - | Engine Deutz BF4M-1013E                              |
| BF4M 1013EC                      | - | Engine Deutz BF4M-1013EC                             |
| BF6M 1013                        | - | Engine Deutz BF6M-1013                               |
| BF6M 1013C                       | - | Engine Deutz BF6M-1013C                              |
| BF6M 1013CP                      | - | Engine Deutz BF6M-1013CP                             |
| BF6M 1013E                       | - | Engine Deutz BF6M-1013E                              |
| BF6M 1013EC                      | - | Engine Deutz BF6M-1013EC                             |
| BF6M 1013ECP                     | - | Engine Deutz BF6M-1013ECP                            |
| BF6M 1013ECP                     | - | (from non-road stage II) - Engine Deutz BF6M-1013ECP |
| 1015                             |   |  |
| BF6M 1015                        | - | Engine Deutz BF6M-1015                               |
| BF8M 1015                        | - | Engine Deutz BF8M-1015                               |
| 2008/2009                        |   |  |
| D 2008 L03                       | - | Engine Deutz D 2008 L03                              |
| D 2008 L04                       | - | Engine Deutz D 2008 L04                              |
| D 2009 L03                       | - | Engine Deutz D 2009 L03                              |
| D 2009 L04                       | - | Engine Deutz D 2009 L04                              |
| TD 2009 L04                      | - | Engine Deutz TD 2009 L03                             |
| 2011                             |   |  |
| F2L 2011                         | - | Engine Deutz F2L-2011                                |
| F3L 2011                         | - |  |



Engine Deutz F3L-2011  
 F4L 2011 - Engine Deutz F4L-2011  
 F2M 2011 - Engine Deutz F2M-2011  
 F3M 2011 - Engine Deutz F3M-2011  
 F4M 2011 - Engine Deutz F4M-2011  
 BF3L 2011 - Engine Deutz BF3L-2011  
 BF3M 2011 - Engine Deutz BF3M-2011  
 BF4L 2011 - Engine Deutz BF4L-2011  
 BF4M 2011 - Engine Deutz BF4M-2011  
 D 2011 L02 Stage III A / Tier 3 - Engine Deutz D 2011 L02  
 D 2011 L02 i - Engine Deutz D 2011 L02i  
 D 2011 L02 o - Engine Deutz D 2011 L02o  
 D 2011 L03 Stage III A / Tier 3 - Engine Deutz D 2011 L03  
 D 2011 L03 i - Engine Deutz D 2011 L03i  
 D 2011 L03 o - Engine Deutz D 2011 L03o  
 D 2011 L04 Stage III A / Tier 3 - Engine Deutz TD 2011 L04  
 D 2011 L04 i - Engine Deutz D 2011 L04i  
 D 2011 L04 o - Engine Deutz D 2011 L04o  
 D 2011 L04 w Stage III A / Tier 3 - Engine Deutz D 2011 L04W  
 D 2011 L04 w - Engine Deutz D 2011 L04W  
 TD 2011 L04 Stage III A / Tier 3 - Engine Deutz TD 2011 L04  
 TD 2011 L04 i - Engine Deutz TD 2011 L04i  
 TD 2011 L04 o - Engine Deutz TD 2011 L04o  
 TD 2011 L04 w Stage III A / Tier 3 - Engine Deutz TD 2011 L04  
 TD 2011 L04 w - Engine Deutz TD 2011 L04W  
 TCD 2011 L04 w Stage III A / Tier 3 - Engine Deutz TCD 2011 L04W  
 TCD 2011 L04 w - Engine Deutz TCD 2011 L04W

2012/2013

BF4M 2012 - Engine Deutz BF4M-2012  
 BF4M 2012C, normal applications P < 96 kW - Engine Deutz BF4M-2012C  
 BF6M 2012C, normal applications - Engine Deutz BF6M-2012C

Ford

Diesel Engines

XLD416 <-1996 Engine  
 XLD418 <-1996 Engine  
 XLD418 Escort based <- Engine  
 XLD418 "ENDURA-DE" on rocker cover 1996-> Engine  
 XLD418 Fiesta based <- Engine  
 XLD418T "ENDURA-DE" on rocker cover 1996-> Engine  
 XLD418T <-1996 Engine  
 XLD418TCI "ENDURA-DE" on rocker cover 1996-> Engine  
 DLD418TCI -> Engine  
 XLD418TCI <-1996 Engine

# Lubricant Report

|      |                           |        |                    |
|------|---------------------------|--------|--------------------|
|      | DLD418TDCi                | ->     | Engine             |
|      | FSD425                    | <-     | Engine             |
|      | FSD425HP                  | <-     | Engine             |
|      | ZSD420                    | ->     | Engine             |
|      | FSD425T                   | <-     | Engine             |
|      | ZSD424TC                  | ->     | Engine             |
|      | FSD425TC                  | <-     | Engine             |
|      | ZSD424TCI                 | ->     | Engine             |
|      | FSD425TCM                 | <-     | Engine             |
|      | ZSD424TCI HP              | ->     | Engine             |
|      | Petrol and Gas Engines    |        |                    |
|      | CSG630                    | ->     | Engine             |
|      | CVG629                    | <-     | Engine             |
|      | DHE418                    | ->     | Engine             |
|      | DHE420                    | ->     | Engine             |
|      | DOC420                    | <-     | Engine             |
|      | DOC423                    | ->     | Engine             |
|      | DOC4201                   | <-     | Engine             |
|      | DSG-423 EFI               | 2006-  | Engine DSG-423     |
|      | ESG642 (LPG)              | ->     | Engine             |
|      | ESG642 (Petrol)           | ->     | Engine             |
|      | HCS413 2V                 | <-     | Engine             |
|      | HCS413 EFI                | <-     | Engine             |
|      | LRG425                    | <-     | Engine             |
|      | LRG425                    | ->     | Engine             |
|      | MSG-425 EFI               | 2012-  | Engine MSG-425 EFI |
|      | MVH418                    | ->     | Engine             |
|      | MVH420                    | ->     | Engine             |
|      | SOHC640                   | ->     | Engine             |
|      | TSG-416                   | 2007-  | Engine TSG-416 EFI |
|      | VSG413                    | <-     | Engine             |
|      | VSG413                    | <-     | Engine             |
|      | WSG-1068                  | 2001-  | Engine WSG-1068    |
|      | ZSG416                    | <-2005 | Engine             |
| Hatz | Diesel Engines, 1B Series |        |                    |
|      | 1B20                      | -      | Engine             |
|      | 1B20V                     | -      | Engine             |
|      | 1B27                      | -      | Engine             |
|      | 1B30                      | -      | Engine             |
|      | 1B30V                     | -      | Engine             |
|      | 1B40                      | -      | Engine             |
|      | 1B40V                     | -      | Engine             |

# Lubricant Report



|                 |           |        |
|-----------------|-----------|--------|
|                 | 1B40W -   | Engine |
|                 | 1B50 -    | Engine |
|                 | 1B50V -   | Engine |
|                 | 1B50W -   | Engine |
|                 | 1B50W -   | Engine |
| Diesel Engines, | 1D Series |        |
|                 | 1D20 -    | Engine |
|                 | 1D30 -    | Engine |
|                 | 1D31 -    | Engine |
|                 | 1D31C -   | Engine |
|                 | 1D35 -    | Engine |
|                 | 1D40 -    | Engine |
|                 | 1D41 -    | Engine |
|                 | 1D41C -   | Engine |
|                 | 1D41S -   | Engine |
|                 | 1D41Z -   | Engine |
|                 | 1D42C -   | Engine |
|                 | 1D42S -   | Engine |
|                 | 1D42Z -   | Engine |
|                 | 1D50 -    | Engine |
|                 | 1D50S -   | Engine |
|                 | 1D50Z -   | Engine |
|                 | 1D60 -    | Engine |
|                 | 1D60C -   | Engine |
|                 | 1D80 -    | Engine |
|                 | 1D81 -    | Engine |
|                 | 1D81C -   | Engine |
|                 | 1D81S -   | Engine |
|                 | 1D81Z -   | Engine |
|                 | 1D90 -    | Engine |
|                 | 1D90S -   | Engine |
|                 | 1D90V -   | Engine |
|                 | 1D90W -   | Engine |
|                 | 1D90Z -   | Engine |
| Diesel Engines, | 2G Series |        |
|                 | 2G30 -    | Engine |
|                 | 2G40 -    | Engine |
|                 | 2G40H -   | Engine |
| Diesel Engines, | 2L Series |        |
|                 | 2L30 -    | Engine |
|                 | 2L30C -   | Engine |
|                 | 2L30S -   | Engine |
|                 | 2L30Z -   | Engine |

|                           |        |
|---------------------------|--------|
| 2L31 -                    | Engine |
| 2L31C -                   | Engine |
| 2L31S -                   | Engine |
| 2L31Z -                   | Engine |
| 2L40 -                    | Engine |
| 2L40C -                   | Engine |
| 2L40S -                   | Engine |
| 2L40Z -                   | Engine |
| 2L41C -                   | Engine |
| 2L41S -                   | Engine |
| 2L41Z -                   | Engine |
| Diesel Engines, 2M Series |        |
| 2M30C -                   | Engine |
| 2M30S -                   | Engine |
| 2M30Z -                   | Engine |
| 2M31 -                    | Engine |
| 2M31C -                   | Engine |
| 2M31S -                   | Engine |
| 2M31Z -                   | Engine |
| 2M40 -                    | Engine |
| 2M40C -                   | Engine |
| 2M40S -                   | Engine |
| 2M40Z -                   | Engine |
| 2M41 -                    | Engine |
| 2M41S -                   | Engine |
| 2M41C -                   | Engine |
| 2M41Z -                   | Engine |
| Diesel Engines, 2W Series |        |
| 2W35 -                    | Engine |
| Diesel Engines, 3L Series |        |
| 3L30 -                    | Engine |
| 3L30C -                   | Engine |
| 3L30S -                   | Engine |
| 3L30Z -                   | Engine |
| 3L31 -                    | Engine |
| 3L31C -                   | Engine |
| 3L31S -                   | Engine |
| 3L31Z -                   | Engine |
| 3L40 -                    | Engine |
| 3L40C -                   | Engine |
| 3L40S -                   | Engine |
| 3L40Z -                   | Engine |
| 3L41C -                   | Engine |

# Lubricant Report



|                           |           |        |
|---------------------------|-----------|--------|
|                           | 3L41S -   | Engine |
|                           | 3L41Z -   | Engine |
| Diesel Engines, 3M Series | 3M30C -   | Engine |
|                           | 3M30S -   | Engine |
|                           | 3M30Z -   | Engine |
|                           | 3M31 -    | Engine |
|                           | 3M31C -   | Engine |
|                           | 3M31S -   | Engine |
|                           | 3M31Z -   | Engine |
|                           | 3M40 -    | Engine |
|                           | 3M40C -   | Engine |
|                           | 3M40S -   | Engine |
|                           | 3M40Z -   | Engine |
|                           | 3M41 -    | Engine |
|                           | 3M41C -   | Engine |
|                           | 3M41S -   | Engine |
|                           | 3M41Z -   | Engine |
| Diesel Engines, 3W Series | 3W35 -    | Engine |
|                           | 3W35T --> | Engine |
| Diesel Engines, 4L Series | 4L30 -    | Engine |
|                           | 4L30C -   | Engine |
|                           | 4L30S -   | Engine |
|                           | 4L30Z -   | Engine |
|                           | 4L31 -    | Engine |
|                           | 4L31C -   | Engine |
|                           | 4L31S -   | Engine |
|                           | 4L31Z -   | Engine |
|                           | 4L40 -    | Engine |
|                           | 4L40C -   | Engine |
|                           | 4L40S -   | Engine |
|                           | 4L40Z -   | Engine |
|                           | 4L41C -   | Engine |
|                           | 4L41S -   | Engine |
|                           | 4L41Z -   | Engine |
|                           | 4L42C -   | Engine |
| Diesel Engines, 4M Series | 4M30C -   | Engine |
|                           | 4M30S -   | Engine |
|                           | 4M30Z -   | Engine |
|                           | 4M31 -    | Engine |

# Lubricant Report



|                            |         |        |
|----------------------------|---------|--------|
|                            | 4M31C - | Engine |
|                            | 4M31S - | Engine |
|                            | 4M31Z - | Engine |
|                            | 4M40 -  | Engine |
|                            | 4M40C - | Engine |
|                            | 4M40S - | Engine |
|                            | 4M40Z - | Engine |
|                            | 4M41 -  | Engine |
|                            | 4M41C - | Engine |
|                            | 4M41S - | Engine |
|                            | 4M41Z - | Engine |
|                            | 4M42 -  | Engine |
| Diesel Engines, 4W Series  | 4W35 -  | Engine |
|                            | 4W35T - | Engine |
| Diesel Engines, A1D Series | A1D35 - | Engine |
|                            | A1D41 - | Engine |
| Diesel Engines, D Series   | D100 -  | Engine |
|                            | D108 -  | Engine |
| Diesel Engines, E Series   | E71 -   | Engine |
|                            | E75 -   | Engine |
|                            | E79 -   | Engine |
|                            | E80 -   | Engine |
|                            | E85 -   | Engine |
|                            | E88 -   | Engine |
|                            | E89 -   | Engine |
|                            | E90 -   | Engine |
|                            | E100 -  | Engine |
|                            | E108 -  | Engine |
|                            | E571 -  | Engine |
|                            | E572 -  | Engine |
|                            | E573 -  | Engine |
|                            | E671 -  | Engine |
|                            | E672 -  | Engine |
|                            | E673 -  | Engine |
|                            | E780 -  | Engine |
|                            | E785 -  | Engine |
|                            | E786 -  | Engine |
|                            | E950 -  | Engine |
| Diesel Engines, ES Series  |         |        |

# Lubricant Report

|         |                                     |                            |
|---------|-------------------------------------|----------------------------|
|         | ES71 -                              | Engine                     |
|         | ES75 -                              | Engine                     |
|         | ES79 -                              | Engine                     |
|         | ES780 -                             | Engine                     |
|         | ES785 -                             | Engine                     |
|         | ES786 -                             | Engine                     |
|         | Diesel Engines, HE Series           |                            |
|         | HE673 -                             | Engine                     |
|         | HE780 -                             | Engine                     |
|         | Diesel Engines, V Series            |                            |
|         | V108 -                              | Engine                     |
|         | Diesel Engines, W35 Series          |                            |
|         | 2W35 -                              | Engine                     |
|         | 3W35 -                              | Engine                     |
|         | 3W35T -                             | Engine                     |
|         | 4W35 -                              | Engine                     |
|         | 4W35T -                             | Engine                     |
|         | Diesel Engines, Z Series            |                            |
|         | Z90 -                               | Engine                     |
|         | Z100 -                              | Engine                     |
|         | Z108 -                              | Engine                     |
|         | Z788 -                              | Engine                     |
|         | Z789 -                              | Engine                     |
|         | Z790 -                              | Engine                     |
| Honda   | Petrol Engines, GXV range           |                            |
|         | GXV 140 GJAB (6000001 -> 7999999) - | Engine GXV140              |
| Hyundai | Engines, LPG/Petrol                 |                            |
|         | L4GC (β-engine) 2001-               | Engine Hyundai L4GC (Beta) |
| Isuzu   | Diesel Engines                      |                            |
|         | 2KA1 -2009                          | Engine Isuzu 2KA1          |
|         | 2KB1 -2009                          | Engine Isuzu 2KB1          |
|         | 2KC1 -2009                          | Engine Isuzu 2KC1          |
|         | 3CC1 2009-                          | Engine Isuzu 3CC1          |
|         | 3CD1 2009-                          | Engine Isuzu 3CD1          |
|         | 3CD1D -2009                         | Engine Isuzu 3CD1D         |
|         | 3CD1K -2009                         | Engine Isuzu 3CD1K         |
|         | 3CE1 2009-                          | Engine Isuzu 3CE1          |
|         | 3KA1 -2009                          | Engine Isuzu 3KA1          |
|         | 3KB1 -2009                          | Engine Isuzu 3KB1          |
|         | 3KC1 -2009                          | Engine Isuzu 3KC1          |
|         | 3KR1 -2009                          | Engine Isuzu 3KR1          |
|         | 3LA1 -2009                          | Engine Isuzu 3LA1          |
|         | 3LB1 -2009                          | Engine Isuzu 3LB1          |

|              |                     |
|--------------|---------------------|
| 3LD1 -2009   | Engine Isuzu 3LD1   |
| 3LD2 -2009   | Engine Isuzu 3LD2   |
| 4BG1 -2009   | Engine Isuzu 4BG1   |
| 4BG1T -2009  | Engine Isuzu 4BG1T  |
| 4BG1TC -2009 | Engine Isuzu 4BG1TC |
| 4FA1 -2009   | Engine Isuzu 4FA1   |
| 4FB1 -2009   | Engine Isuzu 4FB1   |
| 4FC1 -2009   | Engine Isuzu 4FC1   |
| 4FE1 -2009   | Engine Isuzu 4FE1   |
| 4FE1T -2009  | Engine Isuzu 4FE1T  |
| 4HK1X -      | Engine Isuzu 4HK1X  |
| 4JA1 -2009   | Engine Isuzu 4JA1   |
| 4JB1 -2009   | Engine Isuzu 4JB1   |
| 4JB1T -2009  | Engine Isuzu 4JB1T  |
| 4JG1 -       | Engine Isuzu 4JG1   |
| 4JG1T -      | Engine Isuzu 4JG1   |
| 4JG2 -2009   | Engine Isuzu 4JG2   |
| 4JJ1T -      | Engine Isuzu 4JJ1T  |
| 4JJ1X -      | Engine Isuzu 4JJ1X  |
| 4LB1 -       | Engine Isuzu 4LB1   |
| 4LB1T -2009  | Engine Isuzu 4LB1T  |
| 4LC1 -       | Engine Isuzu 4LC1   |
| 4LE1 -       | Engine Isuzu 4LE1   |
| 4LE1PV -     | Engine Isuzu 4LE1PV |
| 4LE2 -       | Engine Isuzu 4LE2   |
| 6BB1 -2009   | Engine Isuzu 6BB1   |
| 6BD1 -2009   | Engine Isuzu 6BD1   |
| 6BD1T -2009  | Engine Isuzu 6BD1T  |
| 6BG1 -2009   | Engine Isuzu 6BG1   |
| 6BG1T -2009  | Engine Isuzu 6BG1T  |
| 6BG1TC -2009 | Engine Isuzu 6BG1TC |
| 6HK1T -2009  | Engine Isuzu 6HK1T  |
| 6HK1TC -     | Engine Isuzu 6HK1TC |
| 6HK1X -      | Engine Isuzu 6HK1X  |
| 6RB1 -2009   | Engine Isuzu 6RB1   |
| 6RB1T -2009  | Engine Isuzu 6RB1T  |
| 6UG1X -      | Engine Isuzu 6UG1X  |
| 6SA1 -2009   | Engine Isuzu 6SA1   |
| 6SA1T -2009  | Engine Isuzu 6SA1T  |
| 6SD1T -2009  | Engine Isuzu 6SD1T  |
| 6WG1T -2009  | Engine Isuzu 6WG1T  |



# Lubricant Report

|          |                           |               |                         |
|----------|---------------------------|---------------|-------------------------|
|          |                           | 6WG1TC -      | Engine Isuzu 6WG1TC     |
|          |                           | A-6SD1T -2009 | Engine Isuzu A6SD1T     |
|          |                           | C240 -2009    | Engine Isuzu C240       |
| Kawasaki | FS-series                 | FS481V -      | Engine Kawasaki FS481V  |
|          |                           | FS541V -      | Engine Kawasaki FS541V  |
|          |                           | FS600V -      | Engine Kawasaki FS600V  |
| Kohler   | Classic Engines, K-Series | K91 -         | Engine Kohler K91       |
|          |                           | K141 -        | Engine                  |
|          |                           | K161 -        | Engine Kohler K161      |
|          |                           | K181 -        | Engine Kohler K181      |
|          |                           | K241 -        | Engine Kohler K241      |
|          |                           | K301 -        | Engine Kohler K301      |
|          |                           | K321 -        | Engine Kohler K321      |
|          |                           | K341 -        | Engine Kohler K341      |
|          |                           | K361 -        | Engine Kohler K361      |
|          |                           | KT17 -        | Engine Kohler KT17      |
|          |                           | KT19 -        | Engine Kohler KT19      |
|          |                           | KT21 -        | Engine                  |
| Kubota   | 05 Series                 | D905-EBG1 -   | Engine Kubota D905-EBG  |
|          |                           | D905-EBG2 -   | Engine Kubota D905-EBG  |
|          |                           | D1005-EBG1 -  | Engine Kubota D1005-EBG |
|          |                           | D1005-EBG2 -  | Engine Kubota D1005-EBG |
|          |                           | D1105-EBG1 -  | Engine Kubota D1105-EBG |
|          |                           | D1105-EBG2 -  | Engine Kubota D1105-EBG |
|          |                           | V1305-EBG1 -  | Engine Kubota V1305-EBG |
|          |                           | V1305-EBG2 -  | Engine Kubota V1305-EBG |
|          |                           | V1505-EBG1 -  | Engine Kubota V1505-EBG |
|          |                           | V1505-EBG2 -  | Engine Kubota V1505-EBG |
|          | Dual Fuel Series          | DF752 -       | Engine Kubota DF752     |
|          |                           | DF1005 -      | Engine Kubota DF1005    |
|          | GH/GS Series              | GH120 -       | Engine Kubota GH120     |
|          |                           | GH130 -       | Engine Kubota GH120     |
|          |                           | GH150 -       | Engine Kubota GH120     |
|          |                           | GH150VE -     | Engine Kubota GH120     |
|          |                           | GH170 -       | Engine Kubota GH120     |
|          |                           | GH170-1 -     | Engine Kubota GH120     |
|          |                           | GH250 -       | Engine Kubota GH120     |

|            |                            |                               |                            |
|------------|----------------------------|-------------------------------|----------------------------|
|            |                            | GH280 -                       | Engine Kubota GH120        |
|            |                            | GH340 -                       | Engine Kubota GH120        |
|            |                            | GH400 -                       | Engine Kubota GH120        |
|            |                            | GS130 -                       | Engine Kubota GH120        |
|            |                            | GS160 -                       | Engine Kubota GH120        |
|            |                            | GS200 -                       | Engine Kubota GH120        |
|            |                            | GS300 -                       | Engine Kubota GH120        |
|            | OC Series                  | OC60 -                        | Engine Kubota OC60         |
|            |                            | OC95 -                        | Engine Kubota OC95         |
|            | Supermini Series           | Z482 1983-                    | Engine Kubota Z482         |
|            |                            | Z482-E Oil pan depth 101 mm - | Engine Kubota Z482-E       |
|            |                            | Z482-E Oil pan depth 121 mm - | Engine Kubota Z482-E       |
|            |                            | Z602 2003-                    | Engine Kubota Z602         |
|            |                            | Z602-E -                      | Engine Kubota Z602-E       |
|            |                            | D662-E Oil pan depth 101 mm - | Engine Kubota D662-E       |
|            |                            | D662-E Oil pan depth 121 mm - | Engine Kubota D662-E       |
|            |                            | D722 1983-                    | Engine Kubota D722         |
|            |                            | D722-E Oil pan depth 101 mm - | Engine Kubota D722-E       |
|            |                            | D722-E Oil pan depth 121 mm - | Engine Kubota D722-E       |
|            |                            | D782-E -                      | Engine Kubota D782-E       |
|            |                            | D902 2003-                    | Engine Kubota D902         |
|            |                            | D902-E -                      | Engine Kubota D902-E       |
|            | V3 Series                  | V3300-E3BG -                  | Engine Kubota V3300-E3BG   |
|            |                            | V3600-E3B -                   | Engine Kubota V3600-E3B    |
|            |                            | V3600-E3CB -                  | Engine Kubota V3600-E3CB   |
|            |                            | V3600-T-E3B -                 | Engine Kubota V3600-T-E3B  |
|            |                            | V3600-T-E3BG -                | Engine Kubota V3600-T-E3BG |
|            |                            | V3600-T-E3CB -                | Engine Kubota V3600-E3CB   |
| Liebherr   | Diesel Engines             | D924T -                       | Engine Liebherr D924T      |
|            |                            | D924TI -                      | Engine Liebherr D924TI     |
|            |                            | D926TI -                      | Engine Liebherr D926TI     |
|            |                            | D9406TI -                     | Engine Liebherr D9406TI    |
|            |                            | D9408TI -                     | Engine Liebherr D9408TI    |
| Lombardini | Diesel Engines, Air cooled | 9LD561-2 -                    | Engine Lombardini 9LD561-2 |
|            |                            | 9LD561-2/L -                  | Engine Lombardini 9LD561-2 |
|            |                            | 9LD625-2 -                    | Engine Lombardini 9LD625-2 |
|            |                            | 9LD625-2 EPA -                | Engine Lombardini 9LD625-2 |
|            |                            | 9LD625-2 NR / CE -            |                            |

|                                       |                             |
|---------------------------------------|-----------------------------|
|                                       | Engine Lombardini 9LD625-2  |
| 9LD626-2 -                            | Engine Lombardini 9LD626-2  |
| 9LD626-2 NR / CE -                    | Engine Lombardini 9LD626-2  |
| 11LD522-3 -                           | Engine Lombardini 11LD522-3 |
| 11LD522-3 NR -                        | Engine Lombardini 11LD522-3 |
| 11LD625-3 -                           | Engine Lombardini 11LD625-3 |
| 11LD626-3 -                           | Engine Lombardini 11LD626-3 |
| 11LD626-3 NR -                        | Engine Lombardini 11LD626-3 |
| 12LD435-2 -                           | Engine Lombardini 12LD435-2 |
| 12LD435-2/B1 -                        | Engine Lombardini 12LD435-2 |
| 12LD475-2 -                           | Engine Lombardini 12LD475-2 |
| 12LD475-2 EPA -                       | Engine Lombardini 12LD475-2 |
| 12LD477-2 -                           | Engine Lombardini 12LD477-2 |
| 15LD225 -                             | Engine Lombardini 15LD225   |
| 15LD315 -                             | Engine Lombardini 15LD315   |
| 15LD350 -                             | Engine Lombardini 15LD350   |
| 15LD400 -                             | Engine Lombardini 15LD400   |
| 15LD440 -                             | Engine Lombardini 15LD440   |
| 15LD500 -                             | Engine Lombardini 15LD500   |
| 25LD330-2 -                           | Engine Lombardini 25LD330-2 |
| 25LD425-2 -                           | Engine Lombardini 25LD425-2 |
| LDA422 -                              | Engine Lombardini LDA422    |
| Diesel Engines, Liquid cooled         |                             |
| LDW422 -                              | Engine Lombardini LDW422    |
| LDW422 CRS -                          | Engine Lombardini LDW422    |
| LDW422 Euro 2 -                       | Engine Lombardini LDW422    |
| LDW502 Automotive use -               | Engine Lombardini LDW502    |
| LDW502 Standard oil sump -            | Engine Lombardini LDW502    |
| LDW502 Enhanced aluminium oil sump -  | Engine Lombardini LDW502    |
| LDW602 Standard oil sump -            | Engine Lombardini LDW602    |
| LDW602 Enhanced aluminium oil sump -  | Engine Lombardini LDW602    |
| LDW702 Standard oil sump -            | Engine Lombardini LDW702    |
| LDW702 Enhanced aluminium oil sump -  | Engine Lombardini LDW702    |
| LDW903 Standard oil sump -            | Engine Lombardini LDW903    |
| LDW903 Enhanced aluminium oil sump -  | Engine Lombardini LDW903    |
| LDW1003 Standard oil sump -           | Engine Lombardini LDW1003   |
| LDW1003 Enhanced aluminium oil sump - | Engine Lombardini LDW1003   |
| LDW1204 Standard oil sump -           | Engine Lombardini LDW1204   |
| LDW1204 Enhanced aluminium oil sump - | Engine Lombardini LDW1204   |
| LDW1204T -                            | Engine Lombardini LDW1204T  |
| LDW1404 Standard oil sump -           | Engine Lombardini LDW1404   |
| LDW1404 Enhanced aluminium oil sump - | Engine Lombardini LDW1404   |

|           |  |                            |
|-----------|--|----------------------------|
|           | LDW1503 Standard oil sump -            | Engine Lombardini LDW1503  |
|           | LDW1503 Enhanced aluminium oil sump -  | Engine Lombardini LDW1503  |
|           | LDW1603 Standard oil sump -            | Engine Lombardini LDW1603  |
|           | LDW1603 Enhanced aluminium oil sump -  | Engine Lombardini LDW1603  |
|           | LDW2004 Standard oil sump -            | Engine Lombardini LDW2004  |
|           | LDW2004 Enhanced aluminium oil sump -  | Engine Lombardini LDW2004  |
|           | LDW2004T Standard oil sump -           | Engine Lombardini LDW2004T |
|           | LDW2004T Enhanced aluminium oil sump - | Engine Lombardini LDW2004T |
|           | LDW2204 Standard oil sump -            | Engine Lombardini LDW2204  |
|           | LDW2204 Enhanced aluminium oil sump -  | Engine Lombardini LDW2204  |
|           | LDW2204T Standard oil sump -           | Engine Lombardini LDW2204T |
|           | LDW2204T Enhanced aluminium oil sump - | Engine Lombardini LDW2204T |
|           | Sileo 1000 -                           | Engine Lombardini          |
|           | Sileo 1400 -                           | Engine Lombardini          |
|           | Sileo 1500 -                           | Engine Lombardini          |
|           | Sileo 2200 -                           | Engine Lombardini          |
|           | Petrol Engines, Air cooled             |                            |
|           | LGA226 -                               | Engine Lombardini LGA226   |
|           | LGA280 -                               | Engine Lombardini LGA280   |
|           | LGA280 OHC -                           | Engine Lombardini LGA280   |
|           | LGA340 -                               | Engine Lombardini LGA340   |
|           | Petrol Engines, Liquid cooled          |                            |
|           | LGW523 -                               | Engine Lombardini LGW523   |
|           | LGW523MPI -                            | Engine Lombardini LGW523   |
|           | LGW627 -                               | Engine Lombardini LGW627   |
| Nissan    | LPG Engines                            |                            |
|           | TB42 -                                 | Engine                     |
|           | TB45 -                                 | Engine                     |
| Perkins   | Engines, Diesel - 500 series           |                            |
|           | 500 Series / Prima -                   | Engine Perkins             |
| VM Motori | Industrial diesel engines              |                            |
|           | D703 E2 -                              | Engine D703 E2             |
|           | D703 TE2 -                             | Engine D703 TE2            |
|           | D703 E3 -                              | Engine D703 E3             |
|           | D703 TE3 -                             | Engine D703 TE3            |
|           | D703 IE3 -                             | Engine D703 IE3            |
|           | D704 TE2 -                             | Engine D704 TE2            |
|           | D706 IE2 -                             | Engine D706 IE2            |
|           | D753 E3 -                              | Engine D753 E3             |
|           | D753 IE3 -                             | Engine D753 IE3            |
|           | D753 TE3 -                             | Engine D753 TE3            |
|           | D754 E2 -                              | Engine D754 E2             |

# Lubricant Report

|            |   |                     |
|------------|---|---------------------|
|            | D754 TE2 -  | Engine D754 TE2     |
|            | D754 IE3 -  | Engine D754 IE3     |
|            | D754 SE3 -  | Engine D754 SE3     |
|            | D754 TE3 -  | Engine D754 TE3     |
|            | D754 TPE2 -   | Engine D754 TPE2    |
|            | D756 IPE2 -   | Engine D756 IPE2    |
|            | Stationary diesel engines                             |                     |
|            | SUN 2105E1 -  | Engine 2105E1       |
|            | SUN 2105E2 -  | Engine 2105E2       |
|            | SUN 3105E1 -  | Engine 3105E1       |
|            | SUN 3105E2 -  | Engine 3105E2       |
|            | SUN 3105TE1 -   | Engine 3105TE1      |
|            | SUN 3105TE2 -   | Engine 3105TE2      |
|            | SUN 4105E -   | Engine 4105E        |
|            | SUN 4105TE -  | Engine 4105TE       |
|            | SUN 4105TE1 -   | Engine 4105TE1      |
|            | SUN 4105TE2 -   | Engine 4105TE2      |
|            | SUN 6105E -   | Engine 6105E        |
|            | SUN 6105IE -  | Engine 6105IE       |
|            | SUN 6105TE -  | Engine 6105TE       |
|            | SUN 6105TE1 -   | Engine 6105TE1      |
| Volkswagen | Industrial diesel engines                             |                     |
|            | 028.B/ADG -   | Engine              |
|            | 068.D/ADK -   | Engine              |
|            | 1.9 sdi ARD -   | Engine              |
|            | 2.5 tdi BBR -   | Engine              |
|            | ADE -   | Engine              |
|            | AFD -   | Engine              |
|            | AVM -   | Engine              |
|            | Industrial turbocharged & naturally aspirated engines |                     |
|            | All types -   | Engine              |
|            | Industrial naturally aspirated engines only           |                     |
|            | All types -   | Engine              |
|            | Industrial petrol engines                             |                     |
|            | 026.2 -   | Engine              |
|            | ADF -   | Engine              |
| Yanmar     | L-series  |                     |
|            | L48N Non certified -                                  | Engine Yanmar L48N  |
|            | L48V EPA Tier 2 -                                     | Engine Yanmar L48N  |
|            | L70N Non certified -                                  | Engine Yanmar L70N  |
|            | L70V EPA Tier 4 -                                     | Engine Yanmar L70N  |
|            | L100N Non certified -                                 | Engine Yanmar L100N |
|            | L100V EPA Tier 4 -                                    | Engine Yanmar L100N |

# Lubricant Report

## TNV-series

2TNV70 CH/VH/VM (EPA Tier 4) -  
Engine Yanmar 2TNV70  
3TNV70 CH/CL/VH/VM (EPA Tier 4) -  
Engine Yanmar 3TNV70  
3TNV72 VH -  
Engine Yanmar 3TNV72  
3TNV76 CH/CL/VH/VM (EPA Tier 4) -  
Engine Yanmar 3TNV76  
3TNV82A CL/VM (EPA Tier 2) -  
Engine Yanmar 3TNV82A  
3TNV82A-B CL/VM (EPA Interim Tier 4) -  
Engine Yanmar 3TNV82A  
3TNV84 CL/VM (EPA Tier 2) -  
Engine Yanmar 3TNV84  
3TNV84T CL/VM (EPA Tier 2) -  
Engine Yanmar 3TNV84T  
3TNV84T-B CL/VM (EPA Interim Tier 4) -  
Engine Yanmar 3TNV84T  
3TNV88 CL/VM (EPA Tier 2) -  
Engine Yanmar 3TNV88  
3TNV88-B CL/VM (EPA Interim Tier 4) -  
Engine Yanmar 3TNV88  
3TNV88-U CL/VM (EPA Interim Tier 4) -  
Engine Yanmar 3TNV88  
4TNV84 CL/VM (EPA Tier 2) -  
Engine Yanmar 4TNV84  
4TNV84T CL/VM (EPA Tier 2) -  
Engine Yanmar 4TNV84T  
4TNV84T-Z CL/VM (EPA Interim Tier 4) -  
Engine Yanmar 4TNV84T  
4TNV88 CL/VM (EPA Tier 2) -  
Engine Yanmar 4TNV88  
4TNV88-B CL/VM (EPA Interim Tier 4) -  
Engine Yanmar 4TNV88  
4TNV88-U CL/VM (EPA Interim Tier 4) -  
Engine Yanmar 4TNV88  
4TNV94L CL/VM (EPA Tier 2) -  
Engine Yanmar 4TNV94  
4TNV98 CL/VM (EPA Tier 2) -  
Engine Yanmar 4TNV98  
4TNV98-E CL/VM (EPA Interim Tier 4) -  
Engine Yanmar 4TNV98  
4TNV98-Z CL/VM (EPA Interim Tier 4) -  
Engine Yanmar 4TNV98  
4TNV98T CL/VM (EPA Tier 2) -  
Engine Yanmar 4TNV98T  
4TNV98T-Z CL/VM (EPA Interim Tier 4) -  
Engine Yanmar 4TNV98T  
4TNV106 CL/VM (EPA Tier 2) -  
Engine Yanmar 4TNV106  
4TNV106T CL/VM (EPA Tier 2) -  
Engine Yanmar 4TNV106T

## TNM (Minimax) series

3TNM68 CH/CL/VH/VM (EPA Tier 4) -  
Engine Yanmar 3TNM68  
3TNM72 CH/CL/VH/VM (EPA Tier 4) -  
Engine Yanmar 3TNM72

## Yuchai

### YC6

YC6A180Z-T11 -  
Engine YC6A-Z  
YC6A190Z-T10 -  
Engine YC6A-Z  
YC6B140Z-T1 -  
Engine YC6B-Z  
YC6B150Z-T1 -  
Engine YC6B-Z  
YC6B160Z-T1 -  
Engine YC6B-Z  
YC6J125Z-T2 -  
Engine YC6J-Z  
YC6J145Z-T2 -  
Engine YC6J-Z

## Non Managed Data

### Arrow Construction

#### Trailers & Cutters

TC-11 Trench Cutter -  
Engine Ford 2722

### Aveling-Marshall

#### Tractors & Loaders

# Lubricant Report

|                                  |   |                      |
|----------------------------------|---|----------------------|
|                                  | AM 105 Crawler tractor -                    | Engine Ford 2715E    |
|                                  | TM 90 Crawler tractor -                     | Engine Ford 2714E    |
| Barber-Greene                    |   |                      |
|                                  | Pavers                                      |                      |
|                                  | BG-225C -                                   | Hydraulic system     |
|                                  | BG-230D -                                   | Hydraulic system     |
|                                  | BG-245C 2003-                               | Hydraulic system     |
|                                  | BG-260C -                                   | Hydraulic system     |
|                                  | BG-260D -                                   | Hydraulic system     |
|                                  | BG-600D -                                   | Hydraulic system     |
|                                  | BG-655D -                                   | Hydraulic system     |
|                                  | BG-2255C -                                  | Track rollers        |
|                                  | BG-2455D -                                  | Track rollers        |
| Barber-Greene (Bury St. Edmunds) |   |                      |
|                                  | ROAD MAKING MACHINERY (Pre-1989)            |                      |
|                                  | SA-35 ASPHALT PAVER -                       | Engine Ford 2711E    |
|                                  | SA-41 PAVER -                               | Engine Ford 2711E    |
|                                  | SA-144 PAVER -                              | Engine Ford 2714E    |
|                                  | SA-144A PAVER -                             | Engine Ford 2714E    |
|                                  | SB-111 ASPHALT PAVER -                      | Engine Ford 2712E    |
|                                  | SB-131 ASPHALT PAVER -                      | Engine Ford 2714E    |
|                                  | SB-131A ASPHALT PAVER -                     | Engine Ford 2714E    |
|                                  | SB-137 PAVER -                              | Engine Ford 2725E    |
|                                  | SB-140 ASPHALT PAVER -                      | Engine Ford 2714E    |
|                                  | SB-170 ASPHALT PAVER -                      | Engine Ford 2704ET   |
|                                  | 873 ASPHALT PAVER -                         | Engine Ford 2504E    |
| Barfords of Belton               |   |                      |
|                                  | Concrete mixers                             |                      |
|                                  | TRUCK Mixer - ROCKET 6 MKS 1 -              | Engine Ford 2701E    |
|                                  | TRUCK Mixer - ROCKET 6 MKS II -             | Engine Ford 2701E    |
|                                  | Dumpers, Fork Lift Trucks                   |                      |
|                                  | BADGER -                                    | Engine Ford 2700     |
|                                  | SY4 -                                       | Engine Ford 2700     |
|                                  | SY5 -                                       | Engine Ford 2700     |
|                                  | SY6 -                                       | Engine Ford 2700     |
|                                  | SY7 -                                       | Engine Ford 2700     |
| Benford                          |   |                      |
|                                  | Dumper Swing Skips                          |                      |
|                                  | 2000 -                                      | Engine               |
|                                  | 3000 -                                      | Engine               |
| Bonser                           |   |                      |
|                                  | Forklift Trucks, Internal Combustion Engine |                      |
|                                  | D2000K - D2500K Series -                    | Engine Ford 2401E    |
|                                  | G2000K - G2500K Series -                    | Engine Ford 2264E    |
|                                  | D5000K/TC Series -                          | Engine Perkins 4.236 |

# Lubricant Report

|                                 |                               |  |                    |
|---------------------------------|-------------------------------|--|--------------------|
| Bray                            | Wheeled loaders               | 530 -  | Engine Perkins     |
|                                 |                               | 534 -  | Engine Perkins     |
|                                 |                               | 536 -  | Engine Perkins     |
|                                 |                               | 540 -  | Engine Perkins     |
|                                 |                               | 544 -  | Engine Perkins     |
|                                 |                               | 546 -  | Engine Perkins     |
|                                 |                               | 552 -  | Engine Perkins     |
|                                 |                               | 562 -  | Engine Perkins     |
|                                 |                               | 566 -  | Engine Perkins     |
|                                 |                               | 588 -  | Engine Perkins     |
| Coles Cranes                    | Rough Terrain Cranes          | HYDRA HUSKY 15/17 TCC, Chassis -                           | Engine Ford 2074ET |
| Gradall                         | Telescopic boom excavators    | G3W , Carrier - 6x4 -                                      | Engine Ford 429    |
|                                 |                               | Carrier - 6x6 -  | Engine Ford 429    |
|                                 |                               | G-660 Carrier - 6x4 -                                      | Engine Chrysler    |
|                                 |                               | G-660 Carrier - 6x6 Serial Nos. 75001 & Up & 796001 & Up - | Engine Chrysler    |
| Grove Worldwide (UK & USA Mfg.) | All Purpose Cranes            | AP.920, Superstructure & Boom -                            | Engine Ford 2714E  |
|                                 |                               | IND. 1012, Chassis -                                       | Engine Ford 300    |
| Jungheinrich - Boss             | Forklift & Sidelift Trucks    | BOSS -   | Engine Ford        |
|                                 |                               | LANCER BOSS -  | Engine Ford        |
|                                 |                               | STEINBOCK BOSS -   | Engine Ford        |
|                                 | Container handling lift truck | ALL HYCO BOSS -  | Engine Ford        |
| Linde (Lansing Linde)           | Forklift Trucks, Diesel       | H14D 2006->  | Engine             |
|                                 |                               | H16D 2006->  | Engine             |
|                                 |                               | H18D 2006->  | Engine             |
|                                 |                               | H20D 2001-2006   | Engine             |
|                                 |                               | H20D 2006->  | Engine             |
|                                 |                               | H20-600D 2006->  | Engine             |
|                                 |                               | H25D 2001->  | Engine             |
|                                 |                               | H30D 2002->  | Engine             |
|                                 |                               | H35D 2002->  | Engine             |
|                                 |                               | H40D 2003->  | Engine             |
|                                 |                               | H45D 2003->  | Engine             |
|                                 |                               | H50D 2003->  | Engine             |
|                                 | Forklift Trucks, LPG          | H20T -   | Engine VW          |



# Lubricant Report

|  |                                     |                             |  |
|--|-------------------------------------|-----------------------------|--|
|  |                                     |                             | Hydraulic lift system                              |
|  |                                     | H25T -                      | Engine VW  |
|  |                                     | H40T 2006-                  | Engine VW  |
|  |                                     | H45T 2006-                  | Engine VW  |
|  |                                     | H50T 2003-                  | Engine VW  |
|  |                                     | H50-500T 2006-              | Engine VW  |
| Morooka                                | Rubber Crawler Carriers, MST Series |                             |  |
|  |                                     | MST-2200VD -                | Engine Kubota V2203-KA                             |
| OM (OM Pimespo)                        | Forklift Trucks, LPG                |                             |  |
|  |                                     | G15 -                       | Engine TM20<br>Engine TM27                         |
|  |                                     | G18 -                       | Engine TM20<br>Engine TM27                         |
|  |                                     | G20 -                       | Engine TM20<br>Engine TM27                         |
|  |                                     | G23 -                       | Engine TM27<br>Engine TM20                         |
|  |                                     | G25 -                       | Engine TM27  |
|  |                                     | G30 -                       | Engine TM27  |
|  |                                     | XG15 Nissan K 21 -          | Engine Nissan K21                                  |
|  |                                     | XG18 Nissan K 21 -          | Engine Nissan K21                                  |
|  |                                     | XG20 Nissan K 21 -          | Engine Nissan K21                                  |
|  |                                     | XG25 Nissan K 25 -          | Engine Nissan K25                                  |
|  |                                     | XG30 Nissan K 25 -          | Engine Nissan K25                                  |
| Putzmeister                            | Mortar machines                     |                             |  |
|  |                                     | Brinkmann range -           | Engine Deutz BF3M-1011F<br>Engine Deutz BF2M-1011F |
| Winget                                 | Tracked Power Dumpers               |                             |  |
|  |                                     | TD500 -                     | Engine Honda GX                                    |
|  |                                     | TD500HL -                   | Engine Honda GX                                    |
|  |                                     | TD650 -                     | Engine Honda GX                                    |
| Russian Cars (Cars produced in Russia) |                                     |                             |  |
|  | Chevrolet (RUS)                     |                             |  |
|  | Lacetti                             |                             |  |
|  |                                     | Lacetti 1.4 2010-           | Engine   |
|  |                                     | Lacetti 1.6 2010-           | Engine   |
|  |                                     | Lacetti 1.8 2010-           | Engine   |
|  |                                     | Lacetti 1.8 D 2010-         | Engine   |
|  | Cruze                               |                             |  |
|  |                                     | Cruze 1.6 (80 kW) 2009-2011 | Engine 16XE  |
|  |                                     | Cruze 1.6 (83 kW) 2009-2011 | Engine 16XER                                       |
|  |                                     | Cruze 1.8 2009-2011         | Engine 18XER                                       |
|  | Niva                                |                             |  |
|  |                                     | Niva 1.7i 2003-             | Engine VAZ-2121.4/3                                |
| Daihatsu (RUS)                         | Mira                                |                             |  |
|  |                                     | Mira 1.0 12V 1998-1999      | Engine EJ-DE                                       |

# Lubricant Report

|  |                             |                      |                               |
|--|-----------------------------|----------------------|-------------------------------|
|  |                             | Mira 1.0 12V         | 1999-2001<br>Engine EJ-DE     |
|  |                             | Mira 1.0 12V         | 2002-2006<br>Engine EJ-VE     |
|  | Be-go                       | Be-go 1.3i 16V       | 1997-2001<br>Engine HC-EJ     |
|  |                             | Be-go 1.3i 16V       | 2001-2006<br>Engine K3-VE     |
|  |                             | Be-go 1.3 16V 4x4    | 2006-2007<br>Engine K3-VE     |
|  |                             | Be-go 1.5 16V        | 2006-<br>Engine 3SZ-VE        |
|  |                             | Be-go 1.5 16V 4x4    | 2006-<br>Engine 3SZ-VE        |
|  | Renault (RUS)               |                      |                               |
|  | Logan                       | Logan 1.0            | 2004-2009<br>Engine D4D       |
|  |                             | Logan 1.2 16V        | 2009-<br>Engine D4F           |
|  |                             | Logan 1.4            | 2004-<br>Engine K7J           |
|  |                             | Logan 1.6            | 2004-<br>Engine K7M           |
|  |                             | Logan 1.6 16V        | 2008-<br>Engine K4M           |
|  |                             | Logan 1.5 dCi        | 2008-<br>Engine K9K           |
|  | Duster                      | Duster 1.6 (4x2)     | 2009-<br>Engine K4M           |
|  |                             | Duster 1.6 (4x4)     | 2009-<br>Engine K4M           |
|  |                             | Duster 2.0 (4x2)     | 2009-<br>Engine F4R           |
|  |                             | Duster 2.0 (4x4)     | 2009-<br>Engine F4R           |
|  |                             | Duster 1.5 dCi (4x2) | 2009-<br>Engine K9K           |
|  |                             | Duster 1.5 dCi (4x4) | 2009-<br>Engine K9K           |
|  | Sandero                     | Sandero 1.0          | 2008-2010<br>Engine D4D       |
|  |                             | Sandero 1.2 16V      | 2009-<br>Engine D4F           |
|  |                             | Sandero 1.4          | 2008-2011<br>Engine K7J       |
|  |                             | Sandero 1.6          | 2008-<br>Engine K7M           |
|  |                             | Sandero 1.6 16V      | 2010-<br>Engine K4M           |
|  |                             | Sandero 1.5 dCi      | 2008-<br>Engine K9K           |
|  | Uz-Daewoo                   |                      |                               |
|  | Matiz                       | Matiz 0.8 S          | 2005-<br>Engine               |
|  |                             | Matiz 1.0 S          | 2005-<br>Engine               |
|  | Nexia 2                     | Nexia 1.5 8V N150    | 2008-<br>Engine               |
|  |                             | Nexia 1.6 16V N150   | 2008-<br>Engine               |
|  | Turkish Market Cars         |                      |                               |
|  | Tofas                       |                      |                               |
|  | Dogan                       | Dogan 1.6            | 1996-2002<br>Engine 159A3.000 |
|  | Sahin                       | Sahin 1.4            | 1996-2002<br>Engine           |
|  |                             | Sahin 1.6            | 1996-2002<br>Engine 159A3.000 |
|  | Cars of Latin America (BRA) |                      |                               |
|  | Chevrolet (BRA)             |                      |                               |
|  | Celta                       | Celta 1.0            | 2005-2005                     |

|              |                              |                 |
|--------------|------------------------------|-----------------|
|              |                              | Engine          |
|              | Celta 1.0                    | 2006-2006       |
|              |                              | Engine          |
|              | Celta 1.0 Flexpower          | 2006-2008       |
|              |                              | Engine          |
|              | Celta 1.4                    | 2005-2006       |
|              |                              | Engine          |
| Corsa        |                              |                 |
|              | Corsa 1.0 MPFI VHC           | 2004-2004       |
|              |                              | Engine          |
|              | Corsa 1.0 MPFI VHC           | 2005-2007       |
|              |                              | Engine          |
|              | Corsa 1.8 MPFI               | 2004-2004       |
|              |                              | Engine          |
|              | Corsa 1.8 MPFI               | 2005-2008       |
|              |                              | Engine          |
| Kadett       |                              |                 |
|              | Kadett 1.8 EFI               | 1992-1996       |
|              |                              | Engine          |
|              | Kadett 2.0 GSi MPFI          | 1992-1996       |
|              |                              | Engine          |
| Astra        |                              |                 |
|              | Astra 1.8 MPFI               | 2004-2005       |
|              |                              | Engine          |
|              | Astra 2.0 Flexpower          | 2004-2008       |
|              |                              | Engine          |
|              | Astra 2.0 SFI                | 2004-2008       |
|              |                              | Engine          |
| Prisma       |                              |                 |
|              | Prisma 1.4 ECONO.FLEX        | 2007-2008       |
|              |                              | Engine          |
|              | Prisma 1.4 ECONO.FLEX        | 2009-2009       |
|              |                              | Engine          |
| Classic      |                              |                 |
|              | Classic 1.0                  | 2005-2005       |
|              |                              | Engine          |
|              | Classic 1.0 Flexpower        | 2005-2005       |
|              |                              | Engine          |
|              | Classic 1.0 Flexpower        | 2006-2008       |
|              |                              | Engine          |
|              | Classic 1.6                  | 2005-2006       |
|              |                              | Engine          |
| Montana      |                              |                 |
|              | Montana 1.4 MPFI ECONO.FLEX  | 2008-2008       |
|              |                              | Engine          |
|              | Montana 1.8 Flexpower        | 2005-2005       |
|              |                              | Engine          |
|              | Montana 1.8 Flexpower        | 2006-2008       |
|              |                              | Engine          |
| Omega        |                              |                 |
|              | Omega 3.8 V6                 | 2004-2004       |
|              |                              | Engine          |
| Meriva       |                              |                 |
|              | Meriva 1.8 Flexpower         | 2004-2006       |
|              |                              | Engine          |
|              | Meriva 1.8 Flexpower         | 2007-2009       |
|              |                              | Engine          |
| Zafira       |                              |                 |
|              | Zafira 2.0 MPFI 8V           | 2004-2004       |
|              |                              | Engine          |
|              | Zafira 2.0 MPFI 8V Flexpower | 2005-2006       |
|              |                              | Engine          |
|              | Zafira 2.0 MPFI 8V Flexpower | 2007-2008       |
|              |                              | Engine          |
|              | Zafira 2.0 SFI 16V           | 2004-2004       |
|              |                              | Engine          |
|              | Zafira 2.0 SFI 16V           | 2005-2005       |
|              |                              | Engine          |
| S10 / Blazer |                              |                 |
|              | S10 / Blazer 2.4             | 2004-2006       |
|              |                              | Engine          |
|              | S10 / Blazer 2.4 Flexpower   | 2007-2008       |
|              |                              | Engine          |
|              | S10 / Blazer 4.3 SFI         | 2004-2004       |
|              |                              | Engine          |
|              | S10 / Blazer 4.3 SFI 4x4     | 2004-2004       |
|              |                              | Engine          |
| Fiat (BRA)   |                              |                 |
|              | Uno                          |                 |
|              |                              |                 |
|              | Uno 1.0 8V Fire 258          | 2004-2004       |
|              |                              | Engine 178D9011 |
|              | Uno 1.0 8V Fire 258          | 2005-2006       |

|  |                    |
|--|--------------------|
|  | Engine 178D9011    |
| Uno 1.0 8V Flex 258 2007-2006            | Engine 146E1011    |
| Uno 1.0 8V Flex 258 2008-2012            | Engine 146E1011    |
| Uno 1.3 8V Fire 258 2004-2007            | Engine 178E8011    |
| Uno 1.3 8V Flex 258 2007-2012            | Engine 178E9011    |
| Strada                                   |                    |
| Strada 1.3 8V Fire 278 2004-2005         | Engine 178E8011    |
| Strada 1.4 8V Fire 278 2006-2008         | Engine 178F3011    |
| Strada 1.4 8V Fire 278 2009-             | Engine 310A2011    |
| Strada 1.8 8V Flex 278 2004-2006         | Engine 93313090-7U |
| Strada 1.8 8V Flex 278 2007-2007         | Engine 93313090-H2 |
| Strada 1.8 8V Flex 278 2008-2009         | Engine 93313090-H2 |
| Palio (Weekend)                          |                    |
| Palio 1.0 8V Fire 171 2004-2006          | Engine 178D9011    |
| Palio 1.0 8V Flex 171 2006-2007          | Engine 178F1011    |
| Palio 1.3 8V Flex 171 2004-2005          | Engine 178E9011    |
| Palio Weekend 1.3 8V Flex 173 2004-2005  | Engine 178E9011    |
| Palio 1.4 8V Flex 171 2005-2007          | Engine 178F3011    |
| Palio Weekend 1.4 8V Flex 173 2005-2007  | Engine 178F3011    |
| Palio 1.4 8V Flex 272 2012-              | Engine 327A011     |
| Palio 1.8 8V Flex 171 2004-2006          | Engine 93313090-7U |
| Palio Weekend 1.8 8V Flex 173 2004-2006  | Engine 93313090-7U |
| Palio 1.8 8V Flex 171 2008-2009          | Engine X7          |
| Palio Weekend 1.8 8V Flex 173 2008-2009  | Engine X7          |
| Palio 1.8R 8V Flex 171 2006-2007         | Engine 93313090-H2 |
| Palio Weekend 1.8R 8V Flex 173 2006-2007 | Engine 93313090-H2 |
| Palio 1.8R 8V Flex 171 2008-2009         | Engine X7          |
| Palio Weekend 1.8R 8V Flex 173 2008-2009 | Engine X7          |
| Palio Weekend 1.8 16V Flex 173 2010-2011 | Engine 370A0011    |
| Siena                                    |                    |
| Siena 1.0 8V Fire 172 2004-2006          | Engine 178D9011    |
| Siena 1.0 8V Flex 172 2006-2007          | Engine 178F1011    |
| Siena 1.3 8V Flex 172 2004-2005          | Engine 178E9011    |
| Siena 1.4 8V Flex 172 2005-2007          | Engine 178F3011    |
| Siena 1.8 8V Flex 172 2004-2007          | Engine 93313090-7U |
| Siena 1.8 8V Flex 172 2008-2009          | Engine X7          |
| Punto                                    |                    |
| Punto 1.4 16V Turbo 118 2008-2009        | Engine 198A1000    |
| Punto 1.4 16V T-Jet 118 2010-            | Engine 198A1000    |
| Punto 1.8 8V Flex 118 2008-2009          | Engine Y2          |
| Linea                                    |                    |
| Linea 1.4 16V Turbo 110 2009-2009        | Engine 198A1000    |
| Linea 1.4 16V Turbo 110 2010-2012        | Engine 198A1000    |
| Linea 1.9 16V Flex 110 2009-2009         | Engine 310A3011    |

|               |                  |  |
|---------------|------------------|--|
|               | Idea (Adventure) | Idea 1.4 8V Flex 135 2006-2007<br>Engine 178F3011              |
|               |                  | Idea 1.8 8V Flex 135 2006-2007<br>Engine 93313090-7U           |
|               |                  | Idea 1.8 8V Flex Adventure 135 2007-2007<br>Engine 93313090-7U |
|               |                  | Idea 1.8 8V Flex 135 2008-2009<br>Engine X8                    |
|               |                  | Idea 1.8 8V Flex Adventure 135 2008-2009<br>Engine X8          |
|               | Fiorino          | Fiorino 1.3 8V Fire 255 2004-2007<br>Engine 178E8011           |
|               |                  | Fiorino 1.3 8V Flex 255 2007-2007<br>Engine 178E9011           |
|               |                  | Fiorino 1.5 8V Flex 255 2007-2007<br>Engine 178A6011           |
|               |                  | Fiorino 1.3 8V Flex 255 2008-2012<br>Engine 178E9011           |
|               | Marea            | Marea 1.6 185 2005-2007<br>Engine 182B6000                     |
|               |                  | Marea 1.8 185 2004-2007<br>Engine 183A1000                     |
|               |                  | Marea 2.0 Turbo 185 2004-2007<br>Engine 185A4011               |
|               |                  | Marea 2.4 185 2004-2007<br>Engine 185A7011                     |
| Ford (BRA)    | Escort           | Escort 1.8 16V Flex 1999-<br>Engine Zetec Flex 16V             |
| Hyundai (BRA) | Tucson           | Tucson 2.0i CVVT Flex 2010-<br>Engine Beta FFV                 |
| Nissan (BRA)  | Livina           | Livina 1.6 2013-<br>Engine K4M                                 |
|               |                  | Livina 1.8 2013-<br>Engine MR18DE                              |
|               | Versa            | Versa 1.6 2013-<br>Engine HR16DE                               |
| Renault (BRA) | Sandero          | Sandero 1.0 16V Flex 2007-2011<br>Engine D4D                   |
|               |                  | Sandero 1.0 16V Hi-Flex 2011-<br>Engine D4D                    |
|               |                  | Sandero 1.6 8V Flex 2007-2011<br>Engine K7M                    |
|               |                  | Sandero 1.6 8V Hi-Torque 2011-<br>Engine K7M                   |
|               |                  | Sandero 1.6 16V Flex 2007-2011<br>Engine K4M                   |
|               |                  | Sandero 1.6 16V BVA Hi-Flex 2011-<br>Engine K4M                |
|               | Sandero Stepway  | Sandero Stepway 1.6 8V Hi-Power 2012-<br>Engine K7M            |
|               |                  | Sandero Stepway 1.6 16V Automático 2012-<br>Engine K4M         |
|               | Duster           | Duster 1.6 16V (4x2) 2011-<br>Engine K4M                       |
|               |                  | Duster 2.0 16V (4x2) 2011-<br>Engine F4R                       |
|               |                  | Duster 2.0 16V (4x4) 2011-<br>Engine F4R                       |