



**Axles for off-road vehicles**

**List of lubricants TE-ML 05**

| Product groups   | Lubricant classes for service fills (1)                                 |  |
|--|---|--|
|  | without   | with   |
|  | wet multi-disc brakes and / or<br>multi-disc limited-slip differentials |  |
| 1. Axles (exception see section 2-6)<br>Differentials<br>Wheel hubs<br>Stub shafts   | ZF-Powerfluid<br>05A / 05B / 05C / 05D /<br>05F / 05G / 05H             | ZF-Powerfluid<br>05C / 05D / 05F / 05G / 05H |
| 2. Axles with hypoid drive<br>(AP 420R; AV230; MT-C 3025; MT-C 3035;<br>MT-C 3075)   | 05A / 05B / 05C / 05D   | 05C / 05D                                    |
| 3. MT-D 3105 (only oil circuit brake)<br>MT-L 3xxx (with sintered brake linings)<br>MT-L 3xxx (load class 3) (2)<br>MT-G 3070, MT-G 3075; MT-G 3080, MT-G 3085,<br>MT-G 3090 | ---   | ZF-Powerfluid<br>05F / 05G / 05H             |
| 4. MS-T 3025, MS-T 3035, MS-T 3045,<br>MS-T 3055, MS-T 3060<br>MT-T 3025, MT-T 3035, MT-T 3045<br>MT-B 30xx (old: MT 2075 / AP 2075),<br>MT 2085 (old: AP 2085)              | ZF-Powerfluid<br>05A / 05B / 05C / 05D<br>05F / 05G / 05H               | ZF-Powerfluid<br>05F / 05G / 05H             |
| 5. ZF-half-shafts (planetary final drives) for<br>tractor transmissions T-7000   | 05A / 05B / 05C / 05D   | ---  |
| 6. APL-300<br>AS-3000  | ---   | 05C / 05D                                    |

(1) Refer to the following pages for approved commercial products.

(2) Load classes see table on page 2.

A lithium saponified multipurpose grease of NLGI class 2 which is mixable with mineral oil is to be used at greasing points (grease code KP2K-30 in acc. with DIN 51825 or ISO-L-XCCHB2 in accordance with ISO 6743-9).

Deviating from this, grease and lubricating intervals have to be chosen according to the corresponding lubrication and maintenance specifications for the following products: MT-G 3070, MT-G 3075, MT-G 3080, MT-G 3085 und MT-G 3090.

Additives of any kind added **later** to the oil change the oil in a manner that is unpredictable, and they are therefore not permitted. No liability of any kind will be accepted by ZF for any damage resulting from the use of such additives.

|  |   |   |
|--|---|---|
| The list of lubricants TE-ML 05, <b>Edition 01.01.2008</b> replaces all previous editions. The current list can be requested from any ZF after-sales service center or accessed on the Internet under <a href="http://www.zf.com">www.zf.com</a> . | <b>ZF Friedrichshafen AG</b><br>D-88038 Friedrichshafen<br>phone: + 49 7541 77 3505<br>fax: + 49 7541 77 7319 | <b>ZF Passau GmbH</b><br>D-94030 Passau |
|--|---|---|

**Oil change intervals**

| Lubricant class | 05A, 05B, 05C, 05D  | ZF Powerfluid<br>05F, 05G, 05H |
|-----------------|---------------------|--------------------------------|
| Load class      | Oil change interval |                                |
| 1               | 1500 h              | 2000 h                         |
| 2               | 1000 h              | 1500 h                         |
| 3               | 500 h               | 1000 h                         |

**Load classes**

| Load class | Examples of applications  |
|------------|---|
| 1          | <ul style="list-style-type: none"> <li>- Dumper</li> <li>- Mobile excavator with low driving-mode share (&lt;25%)</li> <li>- Wheel loader with hydrostatic drive</li> <li>- Other axles without wet brakes</li> </ul> |
| 2          | <ul style="list-style-type: none"> <li>- Mobile excavator with increased driving-mode share (&gt;25%)</li> <li>- Wheel loader, grader, backhoe, telescopic handler</li> <li>- T 7000 half shafts</li> </ul>           |
| 3          | <ul style="list-style-type: none"> <li>- Wheel loader operated under extreme braking conditions</li> <li>- Mobile excavator, material-handling areas</li> <li>- At ambient temperatures &gt; 40°C</li> </ul>          |

**Lubricant class 05A****Gear oil**

Viscosity grades: SAE 75W-90 / 75W-110 / 75W-140 / 80W-90 / 80W-110 / 80W-140 / 85W-90 / 85W-110 / 85W-140 / 90

**Manufacturer (05A)**

ADDINOL LUBE OIL GMBH, LEUNA/D  
 ADDINOL LUBE OIL GMBH, LEUNA/D  
 ADDINOL LUBE OIL GMBH, LEUNA/D  
 AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D  
 ARAL AG, BOCHUM/D  
 ARAL AG, BOCHUM/D  
 ARAL AG, BOCHUM/D  
 ARMORINE S.A., LANESTER CEDEX/F  
 AVIA MINERALÖL-AG, MÜNCHEN/D  
 AVIA MINERALÖL-AG, MÜNCHEN/D  
 BAYWA AG, MÜNCHEN/D  
 BAYWA AG, MÜNCHEN/D  
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH  
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH  
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 CALPAM MINERALÖL-GMBH, ASCHAFFENBURG/D  
 CALPAM MINERALÖL-GMBH, ASCHAFFENBURG/D  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CD SERVICE, PINASCA (TO)/I  
 CEPSA LUBRICANTS S.A., MADRID/E  
 CEPSA LUBRICANTS S.A., MADRID/E  
 CEPSA LUBRICANTS S.A., MADRID/E  
 CEPSA LUBRICANTS S.A., MADRID/E  
 CEPSA LUBRICANTS S.A., MADRID/E  
 CEPSA LUBRICANTS S.A., MADRID/E  
 CHEVRON BRASIL LTDA., RIO DE JANEIRO/BRAZIL  
 CHEVRONTEXACO GLOBAL LUBRICANTS, SAN RAMON/USA  
 CHEVRONTEXACO GLOBAL LUBRICANTS, SAN RAMON/USA  
 CHEVRONTEXACO, GHENT/B  
 CHEVRONTEXACO, GHENT/B  
 CHEVRONTEXACO, GHENT/B  
 CHEVRONTEXACO, GHENT/B  
 CHEVRONTEXACO, SYDNEY/AUS  
 CHEVRONTEXACO, SYDNEY/AUS  
 CLAAS KGAA MBH, HARSEWINKEL/D  
 CONDAT LUBRIFIANTS, CHASSE SUR RHONE/F  
 CONDAT LUBRIFIANTS, CHASSE SUR RHONE/F  
 CONDAT LUBRIFIANTS, CHASSE SUR RHONE/F  
 DAF TRUCKS N.V., EINDHOVEN/NL  
 DE OLIEBRON B.V., ZWIJNDRECHT/NL  
 DEUTSCHE PENTOSIN WERKE GMBH, WEDEL/D  
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I  
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I  
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I  
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I  
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I  
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I

**Trade name (05A)**

ADDINOL GETRIEBEÖL GH 80W-90  
 ADDINOL GETRIEBEÖL GH 85W-90  
 ADDINOL GETRIEBEÖL GX 80 W 90 ML  
 AUTOL HYPOID-GETRIEBEÖL SAE 80W-90  
 ARAL GETRIEBEOL EP PLUS 80W-90  
 ARAL GETRIEBEOL HYP 85W-90  
 ARAL GETRIEBEÖL HYP SAE 85W-140  
 PM 90  
 AVIA HYPOID 90 EP  
 AVIA SYNTOGEAR FE 80W-90  
 BAYWA HYPOID GETRIEBEÖL 85W-90  
 BAYWA SUPER 8090 MC  
 HYPOID-GETRIEBEÖL 80W90  
 HYPOID-GETRIEBEÖL 85W140  
 HYPOID-GETRIEBEÖL 90  
 BP ENERGEAR DL 80W-90  
 BP ENERGEAR HT 80W-90  
 BP ENERGEAR HYPO 80W-90  
 BP ENERGEAR HYPO 85W-140  
 BP ENERGEAR HYPO 90  
 BP ENERGEAR HYPO XL 80W-90  
 ENERGEAR HT 85W140  
 FRONTOL GETRIEBEÖL FE SAE 80W-90  
 FRONTOL HYPOID GETRIEBEÖL B SAE 85W-140  
 FRONTOL HYPOID GETRIEBEÖL B SAE 90  
 MOTOREX GEAR OIL UNIVERSAL 80W/90  
 MOTOREX GEAR OIL UNIVERSAL 85W/140  
 CALPAM MULTI GEAR OIL FE 80W90  
 CALPAM SUPER GEAR OIL 85W90 GL 5  
 CASTROL DYNADRIVE 80W-90  
 CASTROL EPX 80W-90  
 CASTROL EPX 85W-140  
 CASTROL EPX 90  
 CASTROL EPX M 90  
 CASTROL MULTIDRIVE 80W90  
 CD MONDIAL MULTIGEAR  
 CEPSA TRANSMISIONES EP 90  
 CEPSA TRANSMISIONES EP MULTIG. 85W-140  
 CEPSA TRANSMISIONES EP MULTIGRADO 80W-90  
 ERTOIL EP CAMBIOS Y DIFERENCIALES SAE 90  
 ERTOIL EP MULT. CAMBIOS Y DIFERENCIALES 80W-90  
 ERTOIL EP MULT. CAMBIOS Y DIFERENCIALES 85W-140  
 MULTIGEAR EP SAE 90  
 CHEVRON RPM UNIVERSAL GEAR LUBRICANT SAE 80W-90  
 CHEVRON RPM UNIVERSAL GEAR LUBRICANT SAE 85W-140  
 GEARTEX EP-B 85W-90  
 GEARTEX EP-C 80W-90  
 GEARTEX EP-C 85W-140  
 MULTIGEAR 80W-90  
 CALTEX HYPOID LD SAE 85W-90  
 CALTEX HYPOID LD SAE 90  
 CLAAS AGRISHIFT MT 80W-90  
 GEAR S 80W90  
 GEAR S 85W140  
 GEAR SLX 75W90  
 DAF SUPER 80W90  
 TOR SUPER GEAR OIL 80W90  
 PENTOSIN GETRIEBEÖL O-226 80W-90  
 AGIP ROTRA MP 85W-140  
 AGIP ROTRA MP DB 85W-90  
 AGIP ROTRA MP/C 80W-90  
 AGIP ROTRA MP/C 85W-140  
 AGIP ROTRA TRUCK GEAR 85W-140  
 ROTRA MP 80W-90

ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 FALCON OIL COMPANY LTD., SHARJAH/UAЕ  
 FALCON OIL COMPANY LTD., SHARJAH/UAЕ  
 FINKE MINERALÖLWERK GMBH, VISSLHÖVEDE/D  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FUCHS PETROLUB AG, MANNHEIM/D  
 FUCHS PETROLUB AG, MANNHEIM/D  
 FUCHS PETROLUB AG, MANNHEIM/D  
 GENOL GMBH & CO., WIEN/A  
 GENOL GMBH & CO., WIEN/A  
 GINOUVES GEORGES SA, LA FARLEDE/F  
 GINOUVES GEORGES SA, LA FARLEDE/F  
 GINOUVES GEORGES SA, LA FARLEDE/F  
 GRUPA LOTOS SA, GDANSK/PL  
 GRUPA LOTOS SA, GDANSK/PL  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 HANDEL MIJ NOVIOL B.V., NIJMEGEN/NL  
 HUILES BERLIET S.A., SAINT PRIEST/F  
 HUILES BERLIET S.A., SAINT PRIEST/F  
 HUILES BERLIET S.A., SAINT PRIEST/F  
 IGOL FRANCE SA, AMIENS/F  
 IGOL FRANCE SA, AMIENS/F  
 IGOL FRANCE SA, AMIENS/F  
 INDIAN OIL CORPORATION LTD., MUMBAI/IND  
 IRANOL CO., TEHRAN/IR  
 IRANOL CO., TEHRAN/IR  
 JOHN DEERE, WATERLOO/USA  
 JOHN DEERE, WATERLOO/USA  
 KOMPRESSOL-OEL VERKAUFS GMBH, KÖLN/D  
 KRAFFT S.L., ANDOAIN/E  
 KROON-OIL B.V., ALMELO/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 LIQUI MOLY GMBH, ULM/D  
 LIQUI MOLY GMBH, ULM/D  
 LIQUI MOLY GMBH, ULM/D  
 LIQUI MOLY GMBH, ULM/D  
 LIQUI MOLY GMBH, ULM/D  
 MAROIL S.R.L. CONC. BARDAHL MANU. CO.,ALTOPASCIO/I  
 MAZIVA ZAGREB D.O.O, ZAGREB/HR  
 MAZIVA ZAGREB D.O.O, ZAGREB/HR  
 MAZIVA ZAGREB D.O.O, ZAGREB/HR  
 MAZIVA ZAGREB D.O.O, ZAGREB/HR  
 MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D  
 MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D  
 MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D  
 MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D  
 MILLERS OILS LIMITED, BRIGHOUSE/GB  
 MINERALÖL-RAFFIN. DOLLBERGEN, UETZE-DOLLBERGEN/D  
 MINERALÖL-RAFFIN. DOLLBERGEN, UETZE-DOLLBERGEN/D  
 ROTRA TRUCK GEAR 80W-90  
 ESSO GEAR OIL GX-D 85W-90  
 MOBILUBE HD-A 85W-90  
 MOBILUBE S 80W-90  
 FALCON SUPER MP GEAR OIL 85W/140 GL-5  
 FALCON SUPER MP GEAR OIL 80W/90 GL-5  
 AVIATICON FINKOGEAR SUPER 80W-90  
 AKCELA GEAR 135H EP (SAE 80W90)  
 AKCELA GEAR 135H EP (SAE 85W140)  
 AKROS EP 90 SAE 80W90  
 AMBRA HYPOIDE 140 SAE 85W140  
 AMBRA HYPOIDE 90 SAE 80W90  
 ARBOR TRW 140 (SAE 85W140)  
 ARBOR TRW 90 (SAE 80W90)  
 TUTELA TRANSMISSION TRUCK W90/LA (SAE 80W-90)  
 TUTELA W140/M-DA SAE 85W140  
 TUTELA W90/M-DA SAE 80W90  
 TITAN GEAR HYP LD SAE 80W-90  
 TITAN GEAR HYP SAE 90  
 TITAN SUPERGEAR MC 80W-90  
 GENOL GEAR-SYN 80W-90  
 GENOL HYPOLUBE 80W-90  
 YORK 793 SAE 80W90  
 YORK 793 SAE 85W140  
 YORK 993  
 LOTOS TITANIS GL-5 SAE 80W/90  
 TITANIS SUPER GL-5 80W/90  
 GULF GEAR DB 80W-90  
 GULF GEAR DB 85W-90  
 GULF GEAR DB 90  
 GULF GEAR HD 85W-90  
 GULF GEAR LD 80W-90  
 GULF GEAR TDL 80W-90  
 KENDALL NS-MP GEAR LUBE SAE 80W-90  
 RTO HD 80W-90  
 RTO LONGEVIA P ECO 80W-140  
 RTO LONGEVIA P ECO 80W-90  
 GEAR M 80W90  
 HYPOID B SAE85W90  
 LONG GEAR 80W90  
 SERVO GEAR SUPER 85W-90(T)  
 IRANOL XP (SAE 85W-90)  
 IRANOL XP 85W140  
 GL-5 GEAR LUBRICANT (80W-90)  
 GL-5 GEAR LUBRICANT (85W-140)  
 KOMPRESSOL-HYPOID EW SAE 80W-90  
 HIDROIL EP SAE 80W-90  
 GEARLUBE GL-5 80W-90  
 Q8 AUTO 12 SAE 80W-90  
 Q8 AXLE OIL XG SAE 80W-140  
 Q8 GEAR OIL XG SAE 80W-90  
 Q8 T 55 SAE 80W-90  
 Q8 T 55 SAE 85W-140  
 Q8 T 55 SAE 90  
 Q8 T 65 SAE 75W-90  
 Q8 UNIGEAR GL-5 75W-90  
 HYPOID GETRIEBEÖL GL 5 SAE 80W-90  
 HYPOID GETRIEBEÖL GL 5 SAE 85W-140  
 HYPOID GETRIEBEÖL GL 5 SAE 85W-90  
 HYPOID GETRIEBEÖL GL 5 SAE 90W  
 HYPOID GETRIEBEÖL TDL SAE 80W-90  
 BARDAHL T&D OIL 80W 90  
 INA HIPENOL GTL DB 90  
 INA HIPENOL GTL HD 80W-90  
 INA HIPENOL GTL HD 85W-140  
 INA HIPENOL TDL 80W-90  
 MEGOL HYPOID-GETRIEBEOEL GL 5 SAE 80W-90  
 MEGOL HYPOID-GETRIEBEOEL GL 5 SAE 85W-140  
 MEGOL HYPOID-GETRIEBEOEL GL 5 SAE 85W-90  
 MEGOL HYPOID-GETRIEBEOEL TDL SAE 80W-90  
 SYNTRAN II  
 PENNASOL HYPOID-GETRIEBEOEL GL 5 SAE 80W90  
 PENNASOL HYPOID-GETRIEBEOEL GL 5 SAE 85W90

|   |   |
|---|---|
| MINERALÖL-RAFFIN, DOLLBERGEN, UETZE-DOLLBERGEN/D  | PENNASOL HYPOID-GETRIEBEOEL GL 5 SAE 90           |
| MODRICA OIL REFINERY, MODRICA/BIH                 | HIPOIDNO ULJE B SAE 80W90                         |
| MODRICA OIL REFINERY, MODRICA/BIH                 | HIPOIDNO ULJE B SAE 90                            |
| MOL-LUB KFT., ALMÿSFÜZITÖ/H                       | MOL HYKOMOL K 85W-90                              |
| MOL-LUB KFT., ALMÿSFÜZITÖ/H                       | MOL HYKOMOL ZF 80W-90                             |
| MORRIS LUBRICANTS, SHREWSBURY/GB                  | MORRIS EP 80W/90                                  |
| MORRIS LUBRICANTS, SHREWSBURY/GB                  | MORRIS EP 85W/140                                 |
| MOTUL SA, AUBERVILLIERS CEDEX/F                   | MOTUL TRANS MB 85W-90                             |
| NEW PROCESS AG, TÛBACH/CH                         | HD GEAROIL SAE 90                                 |
| NOVA STILMOIL SPA, MODENA/I                       | GEARING PLUS 80W90                                |
| OA O SIBNEFT-ONPZ, OMSK/RUS                       | SIBIMOTOR SUPER T-2 SAE 80W-90                    |
| OA O SIBNEFT-ONPZ, OMSK/RUS                       | SIBIMOTOR SUPER T-3 SAE 85W-90                    |
| OEST, GEORG MINERALÖLWERK, FREUDENSTADT/D         | OEST MEHRZWECK-GETRIEBEÖL FE SAE 80W-90           |
| OEST, GEORG MINERALÖLWERK, FREUDENSTADT/D         | OEST MEHRZWECK-GETRIEBEÖL SPEZIAL SAE 85W-140     |
| OEST, GEORG MINERALÖLWERK, FREUDENSTADT/D         | OEST MEHRZWECK-GETRIEBEÖL SPEZIAL SAE 85W-90      |
| OK NEDERLAND, STAPHORST/NL                        | OK CARDAN OIL MP-B-SAE 80W/90                     |
| OMV REFINING & MARKETING GMBH, WIEN/A             | OMV GEAR OIL B SAE 85W-90                         |
| OMV REFINING & MARKETING GMBH, WIEN/A             | OMV GEAR OIL XD-5 SAE 80W-90                      |
| OMV REFINING & MARKETING GMBH, WIEN/A             | OMV UNIGEAR SAE 80W-90                            |
| OPET PETROLÇÜLÜK A.S., IZMIR/TR                   | ORSA HYPOID EP MB 90 SAE85W90                     |
| ORLEN OIL SP. Z O.O., KRAKOW/PL                   | PLATINUM GEAR GL-5 80W/90                         |
| PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I      | PAKELO GEAR OIL EP GL-5 SAE 80W/90                |
| PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I      | PAKELO GEAR OIL EP GL-5 SAE 85W/140               |
| PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I      | PAKELO GLOBAL GEAR CBS SAE 75W/90                 |
| PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I      | PAKELO GLOBAL GEAR DLS SAE 85W/140                |
| PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I      | PAKELO GLOBAL GEAR DLS SAE 85W/90                 |
| PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I      | PAKELO GLOBAL GEAR SA SAE 80W/90                  |
| PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I      | PAKELO GLOBAL GEAR SA SAE 85W/140                 |
| PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I      | PAKELO GLOBAL GEAR SA SAE 85W/90                  |
| PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I      | PAKELO GLOBAL MULTIGEAR CBS                       |
| PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I      | PAKELO GLOBAL MULTIGEAR CBS DLS                   |
| PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I      | PAKELO GLOBAL MULTIGEAR SA SAE 80W/140            |
| PANOLIN AG, MADETSWIL/CH                          | PANOLIN SUPER DUTY 80W/90                         |
| PANOLIN AG, MADETSWIL/CH                          | PANOLIN SUPER DUTY 85W/140                        |
| PANOLIN AG, MADETSWIL/CH                          | PANOLIN SUPER DUTY 90                             |
| PANOLIN AG, MADETSWIL/CH                          | PANOLIN TOPGEAR 80W/90                            |
| PETRO-CANADA LUBRICANTS, MISSISSAUGA/CDN          | TRAXON 80W-90                                     |
| PETRO-CANADA LUBRICANTS, MISSISSAUGA/CDN          | TRAXON 85W-140                                    |
| PETRO-CANADA LUBRICANTS, MISSISSAUGA/CDN          | TRAXON XL SB 80W-140                              |
| PETRO-CANADA LUBRICANTS, MISSISSAUGA/CDN          | TRAXON XL SYNTHETIC BLEND 75W-90                  |
| PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR  | LUBRAX GOLD SAE 85W/140                           |
| PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR  | LUBRAX TRM-5 SAE 85W/140                          |
| PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR  | LUBRAX TRM-5 SAE 90                               |
| PETROGAL S.A., LISBOA/P                           | GALP TRANSOIL HP 80W90                            |
| PETROGAL S.A., LISBOA/P                           | GALP TRANSOIL HP 85W140                           |
| PETROGAL S.A., LISBOA/P                           | GALP TRANSVEX TDL 85W140                          |
| PETROL OFISI A.S, MASLAK-ISTANBUL-TURKEY/TR       | PO UNI. KEBAN EP MAN 80W/90                       |
| PRISTA OIL EAD, ROUSSE/BG                         | PRISTA EP 85W140                                  |
| PRISTA OIL EAD, ROUSSE/BG                         | PRISTA EP 90                                      |
| PROFI-TECH GMBH, GINGEN/D                         | PROFI CAR HYPOID PERFORMANCE GEAR SAE 80W-90 GL 5 |
| PT PERTAMINA (PERSERO), JAKARTA/RI                | RORED HD-A SAE80W-90                              |
| PT PERTAMINA (PERSERO), JAKARTA/RI                | RORED HD-A SAE85W-140                             |
| PT PERTAMINA (PERSERO), JAKARTA/RI                | RORED HD-A SAE90                                  |
| RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D | RAVENOL HYP. EPX GETR.ÖL 85W-140 GL5              |
| RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D | RAVENOL HYPOID EPX GETR.-OEL 80W-90 GL 5          |
| RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D | RAVENOL HYPOID EPX GETRIEBE-OEL SAE 90 GL-5       |
| RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D | RAVENOL SLG SPEC. LKW GETR.ÖL 80W90               |
| REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E | CARTAGO EP SAE 90                                 |
| REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E | CARTAGO EP SAE 80W90                              |
| S.A.E.L., MADRID/E                                | GULF MULTIPURPOSE GEAR LUBRICANT 85W-90           |
| SHARJAH NATIONAL LUBE OIL CO. LTD., SHARJAH/UAE   | SHARLU MP GEAR LUBE 80W/90 (GL-5)                 |
| SHARJAH NATIONAL LUBE OIL CO. LTD., SHARJAH/UAE   | SHARLU MP GEAR LUBE 85W/140(GL-5)                 |
| SHELL BRASIL, BARRA DA TIJUCA - RIO DE JANEIRO/BR | SHELL SPIRAX A 90                                 |
| SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB | SHELL SPIRAX AX 80W-90                            |
| SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB | SHELL SPIRAX AX 85W-140                           |
| SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB | SHELL SPIRAX AX 90                                |
| SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB | SHELL SPIRAX AX PLUS 80W-90                       |
| SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB | SHELL SPIRAX MB 90                                |
| SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB | SHELL SPIRAX MX 80W-90                            |
| SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB | SHELL SPIRAX ST 80W-140                           |
| SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D      | WINTERSHALL GETRIEBEFLUID SML 80W-90              |
| SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D      | WINTERSHALL WIOLIN HYPOID-GETRIEBEÖL 80W-90       |
| SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D      | WINTERSHALL WIOLIN HYPOID-GETRIEBEÖL 85W-140      |



**Lubricant class 05B****Gear oil**

Viscosity grades: SAE 75W-90 / 75W-110 / 75W-140 / 80W-90 / 80W-110 / 80W-140 / 85W-90 / 85W-110 / 85W-140 / 90

**Manufacturer (05B)**

AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D  
 AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D  
 AVIA MINERALÖL-AG, MÜNCHEN/D  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CEPSA LUBRICANTS S.A., MADRID/E  
 CHEVRONTXACO, GHENT/B  
 CONDAT LUBRIFIANTS, CHASSE SUR RHONE/F  
 DE OLIEBRON B.V., ZWIJNDRECHT/NL  
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FUCHS PETROLUB AG, MANNHEIM/D  
 GINOUVES GEORGES SA, LA FARLEDE/F  
 GINOUVES GEORGES SA, LA FARLEDE/F  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 HANDEL MIJ NOVIOL B.V., NIJMEGEN/NL  
 HUILES BERLIET S.A., SAINT PRIEST/F  
 IGOL FRANCE SA, AMIENS/F  
 KROON-OIL B.V., ALMELO/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 MAZIVA ZAGREB D.O.O, ZAGREB/HR  
 MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D  
 MILLERS OILS LIMITED, BRIGHOUSE/GB  
 MOTUL SA, AUBERVILLIERS CEDEX/F  
 NESTE MARKKINOINTI OY, ESPOO/FIN  
 NEW PROCESS AG, TÜBACH/CH  
 OEST, GEORG MINERALÖLWERK, FREUDENSTADT/D  
 OK NEDERLAND, STAPHORST/NL  
 OK NEDERLAND, STAPHORST/NL  
 OMV REFINING & MARKETING GMBH, WIEN/A  
 PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I  
 PANOLIN AG, MADETSWIL/CH  
 PETROGAL S.A., LISBOA/P  
 REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E  
 S.A.E.L., MADRID/E  
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D  
 STRUB + CO AG, REIDEN/CH  
 SUOMEN PETROOLI OY, HAMINA/FIN  
 SUOMEN PETROOLI OY, HAMINA/FIN  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 VALVOLINE EUROPE, DORDRECHT/NL  
 YACCO, ST PIERRE LES ELBEUF/F  
 ZELLER + GMELIN GMBH & CO., EISLINGEN/D

**Trade name (05B)**

AGIP HLX, SAE 75W-90  
 AGIP ROTRA TRUCK GEAR S, SAE 75W-90  
 AVIA SYNTOGear FE 75W-90 EP  
 ENERGEGEAR SHX-M SAE 75W-90  
 MOTOREX UNISYNT TX  
 CASTROL DYNADRIIVE PLUS 75W90  
 CASTROL SAF-XO SAE 75W-90  
 CEPSA TRANSMISIONES EP FE+LD 75W-90  
 MULTIGEAR S 75W-90  
 GEAR SLX 75W140  
 TOR UNIGEAR 75W90 LD  
 ROTRA LSX 75W-90  
 MOBIL DELVAC SYNTHETIC GEAR OIL 75W-90  
 MOBIL DELVAC SYNTHETIC GEAR OIL 80W-140  
 MOBILUBE 1 SHC 75W-90  
 MOBILUBE SHC 75W-90  
 MOBILUBE SHC 80W-140  
 TUTELA TRUCK FE-AXLE (75W-90)  
 TITAN CYTRAC HSY SAE 75W-90  
 YORK 896  
 YORK 896 75W110  
 GULF SYNGEAR 75W-90  
 KENDALL TOTAL DRIVE LINE ED 75W90  
 RTO LONGEVIA PXD ECO 75W-90  
 SYNTHEGEAR SAE75W90  
 TRANSMISSION OIL SP 1011  
 Q8 TRANS XGS SAE 75W-90  
 INA HIPENOL SHD 75W-90  
 MEGOL GETRIEBEOEL TRUCK-SYNTH SAE 75W-90  
 SYNTRAN FE  
 MOTUL GEAR SYNT TDL 75W-90  
 NESTE HYPOIDI TDL S 75W-90  
 GEAROIL SYNTH  
 OEST SYNTH GETRIEBEÖL SAE 75W-90  
 OK UNI-CARDAN OIL LD-SAE 75W/90  
 QUINTOL TRANSMISSION OIL VS-45 SAE 75W/90  
 OMV UNIGEAR S SAE 75W-90  
 PAKELO GLOBAL MULTIGEAR TS SAE 75W/90  
 PANOLIN SUPER DUTY SYNTH 75W/90  
 GALP TRANSVEX TDL 75W90  
 CARTAGO FE LD 75W90  
 GULF SYTHETIC GEAR LUBRICANT 75W-90  
 SHELL SPIRAX ASX 75W-90  
 WINTERSHALL GETRIEBEFLUID BOS  
 VULCOGEAR SYNT SGX 75W-90  
 TEBOIL HYPOID SAE 75W-140  
 TEBOIL HYPOID SAE 75W-90  
 ANTAR EPS 75W-90  
 FINA PONTONIC FDL 75W-90  
 TOTAL TRANSMISSION SYN FE 75W-90  
 TRANSELF SYNTHESE FE 75W-90  
 SYNPOWER GEAR OIL TDL 75W-90  
 BVX 1000  
 DIVINOL SYNTHOGear SL 75W-90

**Lubricant class 05C****Gear oil with limited-slip-additives**

Viscosity grades: SAE 75W-90 / 75W-110 / 75W-140 / 80W-90 / 80W-110 / 80W-140 / 85W-90 / 85W-110 / 85W-140 / 90

**Manufacturer (05C)**

ADDINOL LUBE OIL GMBH, LEUNA/D  
 ADDINOL LUBE OIL GMBH, LEUNA/D  
 ARAL AG, BOCHUM/D  
 AVIA MINERALÖL-AG, MÜNCHEN/D  
 AVIA MINERALÖL-AG, MÜNCHEN/D  
 BAYWA AG, MÜNCHEN/D  
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 CALPAM MINERALÖL-GMBH, ASCHAFFENBURG/D  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CHEVRON BRASIL LTDA., RIO DE JANEIRO/BRAZIL  
 CHEVRONTEXACO, GHENT/B  
 CHEVRONTEXACO, GHENT/B  
 CHEVRONTEXACO, SYDNEY/AUS  
 CLAAS KGAA MBH, HARSEWINKEL/D  
 CONDAT LUBRIFIANTS, CHASSE SUR RHONE/F  
 DE OLIEBRON B.V., ZWIJNDRECHT/NL  
 ENGEN PETROLEUM LTD., CAPE TOWN/ZA  
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 FINKE MINERALÖLWERK GMBH, VISSELHÖVEDE/D  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FUCHS PETROLUB AG, MANNHEIM/D  
 GINOUVES GEORGES SA, LA FARLEDE/F  
 GRUPA LOTOS SA, GDANSK/PL  
 GRUPA LOTOS SA, GDANSK/PL  
 GS CALTEX CORPORATION, SEOUL/ROK  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 HANDEL MIJ NOVIOL B.V., NIJMEGEN/NL  
 HUILES BERLIET S.A., SAINT PRIEST/F  
 IGOL FRANCE SA, AMIENS/F  
 JOHN DEERE, WATERLOO/USA  
 KOMPRESSOL-OEL VERKAUFS GMBH, KÖLN/D  
 KROON-OIL B.V., ALMELO/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 LIQUI MOLY GMBH, ULM/D  
 MAZIVA ZAGREB D.O.O, ZAGREB/HR  
 MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D  
 MINERALÖL-RAFFIN. DOLLBERGEN, UETZE-DOLLBERGEN/D  
 MOL-LUB KFT., ALMYSFÜZITŐ/H  
 NORTHLAND PRODUCTS COMPANY, WATERLOO/USA  
 NOVA STILMOIL SPA, MODENA/I  
 OEST, GEORG MINERALÖLWERK, FREUDENSTADT/D  
 OK NEDERLAND, STAPHORST/NL  
 OK NEDERLAND, STAPHORST/NL  
 OMV REFINING & MARKETING GMBH, WIEN/A  
 PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I  
 PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I  
 PANOLIN AG, MADETSWIL/CH  
 PETROGAL S.A., LISBOA/P  
 PTT PUBLIC COMPANY LIMITED, BANGKOK/TH  
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D  
 REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E  
 S.A.E.L., MADRID/E  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D  
 SUOMEN PETROOLI OY, HAMINA/FIN  
 TOTAL LUBRIFIANTS S.A., PARIS/F

**Trade name (05C)**

ADDINOL GETRIEBEÖL GH 80W-90 LS  
 ADDINOL GETRIEBEÖL GH 85W-90 LS  
 ARAL GETRIEBEÖL HYP LS 90  
 AVIA HYPOID 90 LS  
 AVIA HYPOID 90 LS, 85W-90  
 BAYWA GETRIEBEÖL HYPOID LS 90  
 GETRIEBEÖL LS 85W90  
 BP ENERGEGEAR LIMSLIP 90  
 FRONTOL GETRIEBEÖL LS 90  
 MOTOREX GEAR OIL UNIVERSAL LS 80W/90  
 CALPAM GEAR OIL LS 90  
 CASTROL HYPOY LS 90  
 CASTROL LSX  
 GEARTEX LS 85W140  
 GEARTEX LS 80W-90  
 GEARTEX LS 85W-90  
 CALTEX GEAR OIL ZF SAE 80W-90  
 CLAAS AGRISHIFT BLS 90  
 GEAR T ( 90 )  
 TOR SUPER GEAR OIL LS 80W90  
 ENGEN GEARLUBE EP 90 LS - SAE 80W-90  
 AGIP ROTRA MP/S 85W-90  
 ESSO GEAR OIL LSA 85W-90  
 MOBILUBE LS 85W-90  
 AVIATICON HYPOID LS 90  
 AKCELA AXLEPOWER (80W90)  
 AMBRA AXF 80W90  
 AMBRA STF (80W90)  
 TUTELA W90/LS (SAE 80W-90)  
 TITAN GEAR LS 90  
 YORK 698 LS  
 LOTOS TITANIS LS GL-5 SAE 85W/140  
 LOTOS TITANIS LS GL-5 SAE 80W/90  
 DIC LS GEAR OIL 80W/90  
 GULF GEAR LS 90  
 KENDALL SPECIAL LIMITED SLIP AXLE GEAR LUBE 80W/90  
 RTO EP 90 GL  
 HYPOID BPA SAE90  
 GL-5 GEAR LUBRICANT WITH LS ADDITIVE (85W-140)  
 KOMPRESSOL-HYPOID LS SAE 90  
 GEAR OIL LS 80W-90  
 Q8 T 45 SAE 90  
 HYPOID GETRIEBEÖL GL 5 SAE 85W-90 LS  
 INA HIPENOL GTL LS 90  
 MEGOL HYPOID-GETRIEBEÖL GL 5 SAE 85W-90 LS  
 PENNASOL SPERRDIFFERENTIAL HYPOID GETRIEBEÖL LS90  
 MOL HYKOMOL LS 85W-90  
 POSI-GRIP JDZF 80W90  
 GEARING WONDER LS SAE 85W90  
 OEST GETRIEBEÖL HYPOID LS 90  
 OK CARDAN OIL MP-B-LS SAE 80W/90  
 QUINTOL CARDAN OIL LS-90  
 OMV GEAR OIL LS SAE 85W-90  
 PAKELO UNIVERSAL GEAR EP/LS SAE 85W/140  
 PAKELO UNIVERSAL GEAR EP/LS SAE 80W/90  
 PANOLIN SUPER DUTY LS 90  
 GALP LS 90  
 PTT LIMITED SLIP (SAE 80W-90)  
 RAVENOL SPERRDIFF.-GETR.-OEL LS 90  
 CS EP AUTOBLOCANTE SAE 85W140  
 GULF LS REAR AXLE OIL 80W-90  
 WINTERSHALL WIOLIN RSH  
 TEBOIL HYPOID LS SAE 80W-90  
 ANTAR BLS 90



TOTAL LUBRIFIANTS S.A., PARIS/F  
TOTAL LUBRIFIANTS S.A., PARIS/F  
TOTAL LUBRIFIANTS S.A., PARIS/F  
UNIL OPAL, SAUMUR CEDEX/F  
YACCO, ST PIERRE LES ELBEUF/F

ELF TRACTELF BLS 90  
FINA TRANSFLUID LS 80W-90  
TOTAL DYNATRANS DA 80W-90  
UNIL OPAL GEAR AB-EP SAE 85W90  
BVX LS 200

**Lubricant class 05D**

Gear oil with limited-slip-additives

Viscosity grades: SAE 75W-90 / 75W-110 / 75W-140 / 80W-90 / 80W-110 / 80W-140 / 85W-90 / 85W-110 / 85W-140 / 90

**Manufacturer (05D)**

AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D  
BP INTERNATIONAL, PANGBOURNE, READING/GB  
BP INTERNATIONAL, PANGBOURNE, READING/GB  
EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D  
TOTAL LUBRIFIANTS S.A., PARIS/F  
TOTAL LUBRIFIANTS S.A., PARIS/F

**Trade name (05D)**

AGIP HLZ, SAE 75W-140  
BP ENERGEAR SHX S 75W140  
BP ENERGEAR SHX-ZR 75W-140  
MOBIL GEARLUBE VS 500  
WINTERSHALL GETRIEBEFLUID BMS PLUS  
FINA PONTONIC MLX 75W-140  
TOTAL TRANSMISSION LS 75W-140

## Lubricant class 05F

### Universal Tractor Transmission Oil (UTTO)

#### Manufacturer (05F)

76 LUBRICANTS (CONOCOPHILLIPS COMP.), HOUSTON/USA  
 ADDINOL LUBE OIL GMBH, LEUNA/D  
 ARAL AG, BOCHUM/D  
 BAYWA AG, MÜNCHEN/D  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CATERPILLAR INC., PEORIA/USA  
 CEPSA LUBRICANTS S.A., MADRID/E  
 CHEVRONTXACO, GHENT/B  
 CHEVRONTXACO, GHENT/B  
 CLAAS KGAA MBH, HARSEWINKEL/D  
 CNH, BURR RIDGE/USA  
 CNH, BURR RIDGE/USA  
 ENGEN PETROLEUM LTD., CAPE TOWN/ZA  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FL SELENIA S.P.A., VILLASTELLONE/I  
 FUCHS PETROLUB AG, MANNHEIM/D  
 FUCHS PETROLUB AG, MANNHEIM/D  
 FUCHS PETROLUB AG, MANNHEIM/D  
 FUCHS PETROLUB AG, MANNHEIM/D  
 GINOUVES GEORGES SA, LA FARLEDE/F  
 IGOL FRANCE SA, AMIENS/F  
 JOHN DEERE, MANNHEIM/D  
 JOHN DEERE, WATERLOO/USA  
 KENDALL MOTOR OIL (CONOCOPHILLIPS C.), HOUSTON/USA  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 MAZIVA ZAGREB D.O.O, ZAGREB/HR  
 MAZIVA ZAGREB D.O.O, ZAGREB/HR  
 OMV REFINING & MARKETING GMBH, WIEN/A  
 PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I  
 PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I  
 PANOLIN AG, MADETSWIL/CH  
 PETROGAL S.A., LISBOA/P  
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D  
 REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E  
 SAVITA CHEMICALS LTD., MUMBAI/IND  
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D  
 STRUB + CO AG, REIDEN/CH  
 SUOMEN PETROOLI OY, HAMINA/FIN  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 WOLF OIL CORPORATION N.V., HEMIKSEMB

#### Trade name (05F)

76 HYDRAULIC/TRACTOR FLUID  
 ADDINOL UTTO SAE 10W30  
 ARAL FLUID HGS 10W-30  
 BAYWA HYDRA HYDRAULIKFLUID  
 BP TERRAC SUPER TRANSMISSION 10W-30  
 BP TERRAC SUPER TRANSMISSION CVT 10W-30  
 BP TRACTRAN TF 10  
 MOTOREX POLYFARM 304  
 CASTROL AGRI TRANS PLUS 10W-30  
 CASTROL AGRI TRANS PLUS CVT 10W-30  
 CATERPILLAR MULTIPURPOSE TRACTOR OIL (MTO) 10W-30  
 CEPSA AURIGA TE 55 (SAE 10W-30)  
 TEXTRAN TDH  
 TEXTRAN TDH PREMIUM  
 CLAAS AGRISHIFT GA 12  
 CASE TRANSAXLE FLUID, 80W-140  
 NEW HOLLAND TRX FLUID, 80W-140  
 ENGEN AGRIFLUID  
 MOBIL AGRIFLUID 424  
 MOBILFLUID 424  
 MOBILFLUID 426  
 AKCELA NEXPLORE (SAE 10W-30)  
 AKCELA TRANSAXLE FLUID (SAE 80W-140)  
 AMBRA MULTI G  
 AMBRA TRX 20W-40  
 AMBRA TRX 80W-140  
 AGRIFARM UTTO MP  
 TITAN UTTO HYDRA  
 TITAN UTTO J20C  
 TITAN UTTO ZF SAE 20W-40  
 YORK 676 10W30  
 TICMA FLUID MU SAE80W  
 JOHN DEERE HY-GARD  
 JOHN DEERE HY-GARD, SAE 10W30  
 KENDALL HYKEN 052  
 Q8 T 2000  
 Q8 T 2200  
 INA TRANSHIDROL JD 50  
 INA TRANSHIDROL ZF 20W-40  
 OMV AUSTROMATIC IGB SAE 10W-30  
 PAKELO UTTO FLUID 4D SAE 10W/30  
 PAKELO UTTO FLUID 4D SAE 20W/40  
 PANOLIN JD 303  
 GALP TRALUB 807S  
 RAVENOL UTTO  
 AGRO ORION SAE 10W30  
 SAVSOL 315 HAT  
 SHELL DONAX TD 10W-30  
 SHELL DONAX TD 5W-30  
 SHELL DONAX TDS 10W-30  
 WINTERSHALL HYDROFLUID N  
 VULCOTRAC UTTO SAE 20W-40  
 TEBOIL WETOL  
 ANTAR TRANSAGRIA THF 16  
 ELF TRACTELF BF 16  
 TOTAL DYNATRANS LS 20W-40  
 TOTAL DYNATRANS MPV  
 WOLF UTTO 170 VOLVO BM SAE 10W30

**Lubricant class 05G**

Universal construction-machinery oil

**Manufacturer (05G)**

ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/D

**Trade name (05G)**

ZF-POWERFLUID

**Lubricant class 05H**

Biodegradable lubricants

Viscosity grade: SAE 75W-80

**Instructions on the use of biodegradable lubricants:**

The oil manufacturer's change-over directives included in the product description are to be observed when change-over to biodegradable lubricants is effected.

**Manufacturer (05H)**

PANOLIN AG, MADETSWIL/CH

**Trade name (05H)**

PANOLIN BIOFLUID LS