



**Transmissions and axles for lift-trucks**

**List of lubricants TE-ML 17**

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**1. Approved lubricant classes**

<b>Product group</b>	<b>Lubricant classes for service fills <sup>(1)</sup></b>
Spur-bevel gear drives GRP8, HFK 100-600, GK20LD, GK25LD, GK40	17A / 17B / 17H
- Turntable bearing GRP8, HFK 100-600, GK20LD, GK25LD, GK40	grease Shell Alvania RL3 <sup>(2)</sup>
Splined shaft connection GK16, GK20, GK25, GK26LD, GK30, GK40	17K
Spur-bevel gear drives GK10, GK16, GK20, GK25, GK26LD, GK30	17B / 17H
Planetary gear transmissions GR10	transmission grease Esso Unirex N2
Helical gear drive HFD 80	low-viscosity grease for gears Klüber Mikrolube GB 00 transmission grease Klübersynth GE46-1200 <sup>(4)</sup>
Electrical power steering EPS3 - Transmission - Wheel hub	low-viscosity grease for gears Total MULTIS EP 00 grease Shell Alvania RL3 <sup>(2)</sup>
Planetary gear transmissions HFS 502, HFS 507, GP18, GP20	17C
Planetary gear transmissions GP21, GP23, GP25	17C
Planetary gear transmissions GP25 without brake	17A / 17H
Planetary gear transmissions GP19, GP27, GP35	17E / 17G
Planetary gear transmissions HFP 10, HFP 10A	grease Shell Alvania RL3 <sup>(2)</sup>
Planetary gear transmissions HFP 20, HFP 40, HFP 50, GR50	17A / 17B / 17H
Axles PR61S, PR20MO, PR40MO, P16MO	17B / 17H
WG 80, WG 81, WG 85, WG 86	refer to TE-ML 03 <sup>(3)</sup>
- attached axles	17B / 17H
Axles AT30	17E / 17G
Axles AT35	17E <sup>(5)</sup> / 17F / 17G <sup>(5)</sup>
Axles GPA35	Transmission: 17H; Multidisk brake: 17C

The list of lubricants TE-ML 17, **edition 10.10.2024** replaces all previous editions. The current list can be requested from any ZF after-sales service center or accessed on the Internet under [www.aftermarket.zf.com/lubricants](http://www.aftermarket.zf.com/lubricants).

**ZF Friedrichshafen AG**  
D-88038 Friedrichshafen  
[www.zf.com/contact](http://www.zf.com/contact)

## 2. Low temperatures limits

Lubricant classes	Oil type / viscosity grades	Initial vehicle start-up at oil sump temperatures
17C	- ATF	- 40°C 
17A, 17B	- SAE 75W-80, 75W-85, 75W-90	- 40°C 
17E, 17F, 17G	- SAE 10W-30, 10W-40, other	- 35°C 
17A, 17B, 17E, 17H	- SAE 80, 80W-85, 80W-90, 20W-40	- 26°C 
17A, 17B, 17H	- SAE 85W-90	- 12°C 
17A, 17B, 17H	- SAE 90	- 5°C 

## 3. Explanation of footnotes and comments

### Footnotes

- (1) **Refer to the following pages for approved commercial products.**
- (2) Other saponified lithium mineral oil-based multigrade greases of the NLGI class 3 may be used alternatively (grease code KP2K-30 in accordance with DIN 51825 or ISO-L-XCCHB2 in accordance with ISO 6743-9).
- (3) The current list TE-ML 03 can be requested from any ZF after-sales service center or accessed on the Internet under [www.zf.com/lubricants](http://www.zf.com/lubricants).
- (4) For refrigerated warehouse use only.
- (5) The lubricant classes 17E and 17G apply for service oil changes and may only be used with run-in axle as of a total vehicle operation performance of 1,500h. During the axle run-in process (total vehicle operation of 0 up to 1,500 km) only oil of the lubricant class 17F must be used.

### Comments

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).

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.

## 4. Lubricant classes and approved trade products

### Lubricant class 17A

#### Manufacturer (17A)

ADDINOL LUBE OIL GMBH, LEUNA/DE  
 ADDINOL LUBE OIL GMBH, LEUNA/DE  
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE  
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE  
 BAHRAIN PETROLEUM COMPANY, AWALI/BH  
 BAYWA AG MÜNCHEN, MÜNCHEN/DE  
 BELGIN MADENI YAĞLAR TIC. VE SAN. A.Ş., KOCAELI/TR  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES  
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 DE OLIEBRON BV, ZWIJNDRECHT/NL  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 HILL CORPORATION, SHYMKENT/KZ  
 INA MAZIVA LTD., ZAGREB/HR  
 INA MAZIVA LTD., ZAGREB/HR  
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL  
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL  
 LIQUI MOLY GMBH, ULM/DE  
 LIQUI MOLY GMBH, ULM/DE  
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE  
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE  
 MOL-LUB KFT, ALMASFUZITO/HU  
 MOTOREX AG, LANGENTHAL/CH  
 MOTUL SA, AUBERVILLIERS/FR  
 OILFINO MINERALÖL GMBH, PRISDORF/DE  
 OPET FUCHS MADENI YAG. SAN. VE TIC. A.Ş., IZMIR/TR  
 ORLEN OIL SP. Z O.O., KRAKOW/PL  
 ORLEN OIL SP. Z O.O., KRAKOW/PL  
 ORLEN OIL SP. Z O.O., KRAKOW/PL  
 ORLEN OIL SP. Z O.O., KRAKOW/PL  
 PETROCHINA LUBRICANT COMPANY, BEIJING/CN  
 PETROCHINA LUBRICANT COMPANY, BEIJING/CN  
 PETROGAL S.A., LISBOA/PT  
 PETROGAL S.A., LISBOA/PT  
 PETROL OFISI A.S., ISTANBUL/TR  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 PT. PERTAMINA, JAKARTA/ID  
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE  
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES  
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
 SK ENMOVE CO.,LTD., SEOUL/KR  
 SK ENMOVE CO.,LTD., SEOUL/KR  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 TALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TALENERGIES LUBRIFIANTS, NANTERRE/FR

#### Trade name (17A)

ADDINOL GETRIEBEÖL GS 80W  
 ADDINOL GETRIEBEÖL GS 80W-90  
 AVISTA PEER EVO GL4 SAE 80W-90  
 AVISTA PEER EVO GL4 SAE 85W-90  
 SPAREX HP 90 GL-4  
 TECTROL UNIGEAR 80  
 BELGEAR EP MB 80  
 CASTROL TRANSMAX MANUAL EP 80W-90  
 CASTROL TRANSMAX MANUAL EP 80W-90  
 CASTROL TRANSMAX MANUAL EP 80W-90  
 CASTROL TRANSMAX MANUAL EP 80W  
 CEPSA TRANSMISIONES 80W-90  
 ERTOIL TRANSMISIONES F SAE 80W  
 TRANSLUBE LD SAE 80W  
 TRANSLUBE LD SAE 90  
 GEARTEX EP-4 80W  
 GEARTEX EP-4 80W-90  
 UNIVERSAL EP SAE 80W  
 TOR MULTIPURPOSE GEAR OIL SAE 80W90  
 MOBILUBE GX-A 80W  
 FUCHS TITAN GEAR MP SAE 80  
 GEARWAY G4 80W  
 FUCHS TITAN GEAR ZF SAE 80  
 GULF GEAR XP 80W  
 GULF GEAR XP 80W  
 GULF GEAR XP 90  
 GULF GEAR XP MAX 90  
 GULF GEAR XP DURA MAX 80W-90  
 GULF GEAR MZ 80W  
 GULF GEAR MZ 90  
 GULF GEAR MZ 85W-90  
 GULF GEAR XP 80W-90  
 GULF GEAR MZ 80W-90  
 GULF GEAR XP 80W  
 GULF GEAR ZX 80W  
 FASTROIL MTF4 80W-90  
 INA TRANSMOL HD 80W-90  
 INA TRANSMOL DB 80W  
 Q8 T 35 SAE 80W  
 Q8 T 35 SAE 80W-90  
 LIQUI MOLY GETRIEBEÖL GL4 SAE 85W-90  
 LIQUI MOLY GETRIEBEÖL GL4 SAE 80W  
 MEGOL MEHRZWECKGETRIEBEOEL GL 4 SAE 80W  
 MEGOL MEHRZWECKGETRIEBEOEL GL 4 SAE 85W-90  
 MOL HYKOMOL 80W  
 MOTOREX YORK GEAR OIL EP 80W  
 MOTUL GEAR MB 80W  
 OILFINO VARIUS G 300 SAE 80W-90  
 OPET FULLGEAR EP MT 80W  
 PLATINUM GEAR GL-4 80W  
 PLATINUM GEAR GL-4 80W-90  
 ORLEN OIL GEAR GL-4 80W-90  
 ORLEN OIL GEAR GL-4 80W  
 KUNLUN ZFGO 02B 80W-90  
 KUNLUN ZFGO 02B 85W-90  
 GALP TRANSOIL 80W  
 GALP TRANSOIL 80W90  
 MAXIGEAR TECH EP 80W  
 TUTELA TRANSMISSION STARGEAR HD (SAE 80W)  
 PETRONAS TUTELA MTF 300 HD 80W  
 RORED EPA 80W  
 RAVENOL GETRIEBEÖL MZG SAE 80W-90 GL-4  
 REPSOL CARTAGO EPM 80W  
 REPSOL NAVIGATOR HQ GL-4 SAE 80W  
 SHELL SPIRAX MA 80 W  
 SHELL SPIRAX MA 80 W  
 SHELL SPIRAX S3 G 80W  
 SHELL SPIRAX S3 G 80W-90  
 SINOPEC GREATWALL MTF C-I 80W  
 SINOPEC GREATWALL MTF C-I 80W-90  
 SINOPEC GREATWALL MTF C-I 85W-90  
 SK GEAR EP 80W-90 ZF  
 TATADW G EP 80W-90  
 SRS WIOLIN MEHRZWECK-GETRIEBEÖL 80W-90  
 SRS WIOLIN MEHRZWECK-GETRIEBEÖL 90  
 SRS WIOLIN MEHRZWECK-GETRIEBEÖL 80  
 SRS WIOLIN ML 4 PLUS SAE 80W  
 SRS WIOLIN ML 4 PLUS SAE 80W-90  
 SRS WIOLIN ML 4 PLUS SAE 90  
 TRAXIUM GEAR 7 80W-90  
 TRAXIUM GEAR 7 80W-90  
 TRANSELF EP 80W  
 TRAXIUM GEAR 7 80W-85  
 TRANSELF EP 80W

#### ZF approval number

ZF000630  
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 ZF004779  
 ZF004792  
 ZF001694  
 ZF001162  
 ZF000665  
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 ZF000326  
 ZF004866  
 ZF004869  
 ZF001727  
 ZF001933  
 ZF001936  
 ZF000715  
 ZF002132  
 ZF000440  
 ZF000445  
 ZF000446  
 ZF001914  
 ZF001915  
 ZF001916  
 ZF006084  
 ZF006085  
 ZF008213  
 ZF008214  
 ZF008215

**Manufacturer (17A)**

TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
UNIL OPAL, SAUMUR/FR  
UNIL OPAL, SAUMUR/FR  
VIBRA ENERGIA S.A., DUQUE DE CAXIAS/BR  
VIBRA ENERGIA S.A., DUQUE DE CAXIAS/BR  
VIBRA ENERGIA S.A., DUQUE DE CAXIAS/BR  
YPF S.A., BUENOS AIRES/AR

**Trade name (17A)**

TRAXIUM GEAR 7 80W-85  
TRAXIUM GEAR 7 85W-90  
TRAXIUM GEAR 7 85W-90  
TRANSELF EP 80W-90  
TRANSELF EP 80W-90  
GEAR EP 80W  
GEAR EP 80W-90  
LUBRAX TRM 4 SAE 90  
LUBRAX TRM 4 SAE 80W  
LUBRAX TRM 4 SAE 90  
HELICOIDAL M (80W)

**ZF approval number**

ZF008217  
ZF008222  
ZF008223  
ZF008381  
ZF008382  
ZF000377  
ZF007161  
ZF001477  
ZF006102  
ZF006103  
ZF000657

## Lubricant class 17B

## Manufacturer (17B)

ADDINOL LUBE OIL GMBH, LEUNA/DE  
 ADDINOL LUBE OIL GMBH, LEUNA/DE  
 ADDINOL LUBE OIL GMBH, LEUNA/DE  
 ADDINOL LUBE OIL GMBH, LEUNA/DE  
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE  
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE  
 BAHRAIN PETROLEUM COMPANY, AWALI/BH  
 BAHRAIN PETROLEUM COMPANY, AWALI/BH  
 BAHRAIN PETROLEUM COMPANY, AWALI/BH  
 BASF SE, LUDWIGSHAFEN/DE  
 BAYWA AG MÜNCHEN, MÜNCHEN/DE  
 BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR  
 BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR  
 BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR  
 BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR  
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES  
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES  
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES  
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES  
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES  
 CHAMPION CHEMICALS N.V., HEMIKSEM/BE  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CLASS KGAA MBH, HARSEWINKEL/DE  
 CLASS KGAA MBH, HARSEWINKEL/DE  
 CONDAT LUBRIFIANTS, CHASSE SUR RHONE/FR  
 CYCLON HELLAS SA, ATHENS/GR  
 DE OLIEBRON BV, ZWIJNDRECHT/NL  
 DE OLIEBRON BV, ZWIJNDRECHT/NL  
 DEUTSCHE ÖLWERKE LUBMIN, LUBMIN/DE  
 EKO ABBE, ATHENS/GR  
 ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUŠEVAC/RS  
 ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUŠEVAC/RS  
 ENI SUSTAINABLE MOBILITY S.P.A., ROME/IT  
 ENI SUSTAINABLE MOBILITY S.P.A., ROME/IT  
 ENI SUSTAINABLE MOBILITY S.P.A., ROME/IT  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 FINKE MINERALÖLWERK GMBH, 27374 VISSLHÖVEDE/DE  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 FUCHS PETROLUB SE, MANNHEIM/DE  
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 FUCHS PETROLUB SE, MANNHEIM/DE  
 GEORG OEST MINERALÖLWERK GMBH & CO.KG, FREUDENSTADT/DE  
 GEORG OEST MINERALÖLWERK GMBH & CO.KG, FREUDENSTADT/DE  
 GS CALTEX CORPORATION, SEOUL/KR  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 HILL CORPORATION, SHYMKENT/KZ

## Trade name (17B)

ADDINOL GETRIEBEÖL GH 85W-90  
 ADDINOL GETRIEBEÖL GH 80W-90  
 ADDINOL GETRIEBEÖL GH 75 W 90 SL  
 ADDINOL GETRIEBEÖL GX 80 W 90  
 AVISTA PEER EVO GL5 SAE 80W-90  
 AVISTA PEER EVO GL5 SAE 85W-90  
 SPAREX EP 90 GL-5  
 SPAREX EP 90 GL-5  
 SPAREX EP 80W-90 GL-5  
 EMGARD HP 75W-90  
 TECTROL MULTIGEAR HYP 90  
 BELGIN LUBEX MITRAS AX SYN ULTRA 75W-90  
 BELGIN LUBEX MITRAS AX EP MD 80W-90  
 BELGIN LUBEX MITRAS AX EP PLUS 80W-90  
 BELGIN LUBEX MITRAS AX EP EXTRA 80W-90  
 EVOLCA SGP 75W90  
 CASTROL AXLE EPX 90  
 CASTROL AXLE EPX 80W-90  
 CASTROL AXLE EPX 80W-90  
 CASTROL TRANSMAX AXLE LONG LIFE 75W-90  
 CASTROL TRANSMAX UNIVERSAL LL 75W-90  
 CASTROL TRANSMAX AXLE EPX 80W-90  
 CASTROL TRANSMAX AXLE EPX 85W-90  
 CASTROL AXLE EPX 80W-90  
 CASTROL TRANSMAX AXLE LONG DRAIN 80W-90  
 CASTROL SAF-XO 75W-90  
 CEPSA TRANSMISIONES EP 80W-90  
 CEPSA TRANSMISIONES EP FE+LD 75W-90  
 CEPSA TRANSMISIONES EP 90  
 MAN SUPER AXLE 3343 75W-90  
 MAN SUPER AXLE 342-M2  
 CHAMPION OEM SPECIFIC 75W90 GL 5  
 HYPOID LD SAE 85W-90  
 MULTIGEAR EP SAE 90  
 MULTIGEAR EP-5 SAE 80W-90  
 DELO GEAR EP-5 SAE 80W-90  
 GEARTEX EP-5 85W-90  
 GEARTEX EP-5 80W-90  
 DELO SYN-TDL 75W-90  
 DELO GEAR CGA SAE 80W-90  
 AGRISHIFT MT 80W-90  
 AGRISHIFT MT 80W-90  
 GEAR TXS 75W90  
 GEAR EP GL-5 80W-90  
 TOR SUPER GEAR OIL 80W90  
 TOR UNI GEAR LD 75W90  
 AVENO TDL ULTIMATE 75W-90  
 EKO GEAROL-5 80W-90  
 MULTIHIPO 75W-90 SINT  
 MULTIHIPO PLUS 80W-90  
 ENI ROTRA MP 80W-90  
 ENI ROTRA LSX 75W-90  
 ENI ROTRA MP 75W-90  
 MOBILUBE 1 SHC 75W-90  
 MOBILUBE HD-A PLUS 80W-90  
 MOBILUBE HD-A 85W-90  
 MOBIL DELVAC 1 GEAR OIL 75W-90  
 MOBIL DELVAC ULTRA TOTAL DRIVELINE 75W-90  
 MOBIL DELVAC MODERN AXLE OIL 80W-90 V1  
 MOBIL DELVAC MODERN AXLE OIL 80W-90 V1  
 MOBIL DELVAC MODERN AXLE OIL 80W-90 HDA  
 AVIATICON FINKOGEAR PREMIUM 75W-90  
 FUCHS TITAN CYTRAC HSY SAE 75W-90  
 FUCHS TITAN GEAR HYP LD SAE 80W-90  
 FUCHS TITAN SUPERGEAR SAE 80W-90  
 FUCHS TITAN GEAR HYP SAE 90  
 FUCHS TITAN CYTRAC RR SAE 75W-90  
 GEARWAY S5 75W-90  
 GEARWAY G5 80W-90  
 PENTOSIN GETRIEBEÖL O-226 80W-90  
 PENTOSIN G5 85W-90  
 FUCHS TITAN CYTRAC TD SAE 75W-90  
 FUCHS AGRIFARM GEAR SAE 80W-90  
 PENTOSIN GEAR SAE 80W-90  
 PENTOSIN GEAR PRO SAE 75W-90  
 PENTOSIN GEAR ULTRA SAE 75W-90  
 TITAN SUPERGEAR PLUS SAE 80W-90  
 OEST SYNTH GETRIEBEÖL SAE 75W-90  
 OEST MEHRZWECK-GETRIEBEÖL SPEZIAL SAE 85W-90  
 KIXX GEARTEC X GL-5 80W-90  
 GULF SYNGEAR 75W-90  
 GULF GEAR DB 80W-90  
 GULF GEAR DB 90  
 GULF GEAR DB 85W-90  
 GULF GEAR HD 85W-90  
 GULF GEAR LD 80W-90  
 FASTROIL MTF5 80W-90

## ZF approval number

ZF000555  
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 ZF001950  
 ZF003435



**Manufacturer (17B)**

SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
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 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SINGAPORE PETROLEUM COMPANY LIMITED, SINGAPORE/SG  
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 TEDEX S.A., WARSZAWA/PL  
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR  
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR  
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
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 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 UNIL OPAL, SAUMUR/FR  
 VALVOLINE EUROPE, DORDRECHT/NL  
 VALVOLINE EUROPE, DORDRECHT/NL  
 VALVOLINE EUROPE, DORDRECHT/NL  
 VALVOLINE GLOBAL PRODUCTS, LEXINGTON/US  
 VIBRA ENERGIA S.A., DUQUE DE CAXIAS/BR  
 WILHELM HOYER B.V. & CO. KG, VISSSELHÖVEDE/DE  
 WOLF OIL CORPORATION N.V., HEMIKSEM/BE  
 YACCO SAS, ST PIERRE LES ELBEUF/FR  
 ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE

**Trade name (17B)**

SHELL SPIRAX S3 AX 80W-90  
 SHELL SPIRAX S3 AD 80W-90  
 SHELL SPIRAX S6 AXME 75W-90  
 SHELL SPIRAX HD 80W-90  
 SHELL SPIRAX HD 80W-90  
 SHELL SPIRAX HD 80W-90  
 SHELL SPIRAX HD 80W-90  
 SHELL SPIRAX S4 AX (80W-90)  
 SHELL SPIRAX S4 AX (80W-90)  
 SHELL SPIRAX S4 AX (80W-90)  
 SHELL SPIRAX S6 ADME 75W-90  
 SHELL SPIRAX S4 AX (80W-90)  
 SHELL SPIRAX S3 AX 80W-90  
 SHELL SPIRAX S3 AX 80W-90  
 SHELL SPIRAX S3 AX 80W-90  
 SHELL SPIRAX S3 AX 80W-90  
 SHELL SPIRAX S3 AX 80W-90  
 SHELL SPIRAX S3 AX 80W-90  
 SHELL SPIRAX MB 90  
 GEARLUBE HG M2 SAE 80W-90  
 SINOPEC GREATWALL VT 75W/90  
 SINOPEC GREATWALL MULTIPURPOSE GEAR OIL 80W-90  
 SRS WIOLIN HYPOID-GETRIEBEÖL 80W-90  
 SRS WIOLIN HYPOID-GETRIEBEÖL 90  
 SRS GETRIEBEFLUID SXL 75W-90  
 SRS WIOLIN HL 5 SAE 80W-90  
 SRS WIOLIN HL 5 SAE 85W-90  
 SRS WIOLIN HGAV 80W-90  
 TEDEX SUPER GEAR OIL (TDL) SAE 80W-90  
 TEXSA GEAR MULTI GL-5 90  
 TEXSA GEAR MULTI GL-5 80W90  
 MONTANA DYNAMIC TRACTOGEAR 5 80W90  
 ELF TRANSELF TYPE B 90  
 TRAXIUM DUAL 9 FE 75W-90  
 DYNATRANS HD 80W-90  
 TRAXIUM AXLE 7 85W-90  
 TRAXIUM AXLE 7 85W-90  
 TRAXIUM AXLE 7 80W-90  
 TRAXIUM AXLE 7 80W-90  
 TRANSELF TYPE B 80W-90  
 TRAXIUM AXLE 9 80W-90  
 TRAXIUM AXLE 9 80W-90  
 TRANSELF TYPE B 80W-90  
 DYNATRANS HD 80W 90  
 TRANSELF SYN FE 75W-90  
 TRAXIUM AXLE 7 80W-90  
 TRAXIUM AXLE 7 80W-90  
 GEAR ZF 80W90  
 VALVOLINE HEAVY DUTY TDL PRO 75W-90  
 VALVOLINE HEAVY DUTY AXLE OIL PRO 80W-90 LD  
 NESTE PRO AXLE TDL 75W-90  
 KUBOTA 80W-90 GEAR LUBRICANT HD  
 LUBRAX TRM 5 SAE 90  
 HOYER GEAR F-FP 75W-90  
 WOLF OFFICIALTECH 75W90 GL 5  
 BVX 1000 75W-90  
 DIVINOL MULTI-AXLE 80W90

**ZF approval number**

ZF001233  
 ZF001237  
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## Lubricant class 17C

## Manufacturer (17C)

ACPA, ALEXANDRIA/EG  
 ADDINOL LUBE OIL GMBH, LEUNA/DE  
 ADDINOL LUBE OIL GMBH, LEUNA/DE  
 ADDINOL LUBE OIL GMBH, LEUNA/DE  
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE  
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE  
 BAYWA AG MÜNCHEN, MÜNCHEN/DE  
 BAYWA AG MÜNCHEN, MÜNCHEN/DE  
 BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR  
 CEPESA COMERCIAL PETRÓLEO S.A.U., MADRID/ES  
 CEPESA COMERCIAL PETRÓLEO S.A.U., MADRID/ES  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 COMMERCIAL ROSHFRANS, S.A. DE C.V., MEXICO, D.F./MX  
 ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUSEVAC/RS  
 ENI SUSTAINABLE MOBILITY S.P.A., ROME/IT  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 HILL CORPORATION, SHYMKENT/KZ  
 INA MAZIVA LTD., ZAGREB/HR  
 INA MAZIVA LTD., ZAGREB/HR  
 INA MAZIVA LTD., ZAGREB/HR  
 INA MAZIVA LTD., ZAGREB/HR  
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL  
 LIQUI MOLY GMBH, ULM/DE  
 LIQUI MOLY GMBH, ULM/DE  
 LIQUI MOLY GMBH, ULM/DE  
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE  
 MOL-LUB KFT, ALMASFUZITO/HU  
 MOL-LUB KFT, ALMASFUZITO/HU  
 MOL-LUB KFT, ALMASFUZITO/HU  
 MORRIS LUBRICANTS, SHREWSBURY/GB  
 MOTOREX AG, LANGENTHAL/CH  
 ORLEN OIL SP. Z O.O., KRAKOW/PL  
 OY TEBOIL AB, HELSINKI/FI  
 PAKELO MOTOR OIL S.P.A. A S.U., SAN BONIFACIO (VR)/IT  
 PAKELO MOTOR OIL S.P.A. A S.U., SAN BONIFACIO (VR)/IT  
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA  
 PETROGAL S.A., LISBOA/PT  
 PETROL OFISI A.S., ISTANBUL/TR  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES  
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
 SPECOL SP. Z O.O., CHORZOW/PL  
 TEDEX S.A., WARSZAWA/PL  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 VALVOLINE GLOBAL PRODUCTS, LEXINGTON/US  
 VIBRA ENERGIA S.A., DUQUE DE CAXIAS/BR  
 ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE  
 ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

## Trade name (17C)

ACPA DEX-IIIH  
 ADDINOL ATF D II D  
 ADDINOL ATF XN 2  
 ADDINOL ATF XN 3  
 AVISTA PEER EVO ATF 3000  
 AVISTA PEER EVO ATF 2000  
 TECTROL ATF 3000  
 TECTROL ATF 4000  
 BELGIN LUBEX MITRAS ATF HD III  
 CEPESA ATF 3000 S  
 CEPESA ATF 2000S  
 TEXAMATIC 4291  
 DELO SYN ATF HD  
 HAVOLINE MULTI-VEHICLE ATF  
 ATF ALLPOWER MULTIVEHICULOS  
 VALVOLINE HEAVY DUTY ATF D-II  
 ENI ROTRA ATF II E  
 MOBIL ATF 320  
 MOBIL ATF LT 71141  
 MOBIL ATF 320  
 FUCHS TITAN ATF 5005  
 FUCHS TITAN ATF 1  
 FASTROIL ATF 3  
 INA ATF SUPER  
 INA ATF DX III  
 INA ATF DX IID  
 INA ATF DX IIH  
 Q8 AUTO Z3D  
 LIQUI MOLY ATF III  
 LIQUI MOLY MARINE ATF  
 LIQUI MOLY TOP TEC ATF 1100  
 MEGOL TRANSMISSION-FLUID ATF III  
 MOL ATF  
 MOL ATF SYNT 3H  
 MOL ATF SYNT  
 MULTITRANS ACV  
 MOTOREX YORK ATF TP  
 HIPOL ATF II E  
 TEBOIL FLUID E  
 AUXON II E  
 ATF XT III FLUID  
 DURADRIVE HD SYNTHETIC BLEND ATF  
 GALP TRANSMATIC D III  
 ATF DX-3  
 TUTELA TRANSMISSION GI/E  
 PETRONAS TUTELA ATF 500 HD  
 PETRONAS TUTELA ATF 500 HD  
 REPSOL MATIC III  
 REPSOL AUTOMATOR ATF III  
 SHELL SPIRAX S6 ATF VM PLUS  
 SPIRAX S4 ATF HDX  
 SINOPEC GREATWALL ATF III LD  
 SINOPEC GREATWALL ATF HD  
 HIPOSPEC ATF IID  
 TEDEX ATF III  
 FLUIDMATIC D2  
 ELFMATIC D2  
 FLUIDMATIC D2  
 ELFMATIC D2  
 SYN GARD™ ATF ES  
 LUBRAX ATF HD  
 DIVINOL ATF SPEZIAL R  
 ZF LIFEGUARDFLUID 5

## ZF approval number

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 ZF009444  
 ZF001363





**Manufacturer (17E)**

PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 PHI OIL GMBH, ST. GEORGEN/AT  
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE  
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE  
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES  
 SAME DEUTZ FAHR, TREVIGLIO/IT  
 SAME DEUTZ FAHR, TREVIGLIO/IT  
 SASOL ENERGY, JOHANNESBURG/ZA  
 SASOL ENERGY, JOHANNESBURG/ZA  
 SAVITA OIL TECHNOLOGIES LIMITED, MUMBAI/IN  
 SENNEBOGEN MASCHINENFABRIK GMBH, STEINACH/DE  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SINENG PETROCHEMICAL CO.,LTD., LIUZHOU, GUANGXI/CN  
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
 SK ENMOVE CO.,LTD., SEOUL/KR  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 UNIL OPAL, SAUMUR/FR  
 UNIL OPAL, SAUMUR/FR  
 VALVOLINE EUROPE, DORDRECHT/NL  
 VALVOLINE EUROPE, DORDRECHT/NL  
 VIBRA ENERGIA S.A., DUQUE DE CAXIAS/BR  
 VIBRA ENERGIA S.A., DUQUE DE CAXIAS/BR  
 WILHELM HOYER B.V. & CO. KG, VISSSELHÖVEDE/DE  
 WOLF OIL CORPORATION N.V., HEMIKSEM/BE  
 ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE

**Trade name (17E)**

PETRONAS AKCELA NEXPLORE (SAE 10W-30)  
 PETRONAS TUTELA TRANSAXLE FLUID 20W-40  
 PETRONAS TUTELA TRANSAXLE FLUID 20W-40  
 AKCELA TRANSAXLE FLUID 20W-40 (SAE 20W-40)  
 GEAR OIL UTTO SILVER 10W-30  
 RAVENOL GETRIEBEOEL UTTO  
 RAVENOL UTTO SYNTHETIC  
 REPSOL ORION UTTO  
 SDF UTTO  
 SDF UTTO  
 DF UTTO  
 UNIVERSAL TRANSMISSION OIL 68  
 SASOL UNIVERSAL TRANSMISSION OIL RS 68  
 SAVSOL 315 HAT  
 SENLUBE GEAR LONGLIFE  
 SHELL SPIRAX S4 TXM  
 SHELL SPIRAX S4 TXM  
 SHELL SPIRAX S4 TXM  
 SHELL SPIRAX S4 TXM  
 SHELL SPIRAX S6 TXME  
 SHELL SPIRAX S4 TXM  
 SHELL SPIRAX S4 TXM  
 SHELL SPIRAX S4 TXM  
 SHELL SPIRAX S4 TXM  
 SHELL SPIRAX S4 TXM-I  
 SEANON DEDICATED TRANSMISSION OIL 10W-30  
 SINOPEC GREATWALL UTTO  
 SINOPEC UTTO  
 SK ZIC GL-4 ZF 80W  
 SRS HYDROFLUID A  
 TOTAL DYNATRANS MPV  
 ELF TRACTELF BF 16  
 TOTAL DYNATRANS LS 20W-40  
 TOTAL DYNATRANS MPWB  
 TOTAL DYNATRANS MPX  
 TRACTELF NG  
 UNIL OPAL FLUID MVZ  
 FLUID G2 VARIO  
 UNITRAC 80W  
 NESTE GEAR UTTO  
 LUBRAX UNITRACTOR SAE 10W-30  
 LUBRAX UNITRACTOR 10W-30  
 HOYER AGRI M-UP  
 WOLF TRACTOFLUID 170 BM  
 DIVINOL HGB CVT

**ZF approval number**

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 ZF011927

**Lubricant class 17F**

**Manufacturer (17F)**

ADDINOL LUBE OIL GMBH, LEUNA/DE

**Trade name (17F)**

ADDINOL UTTO SPEZIAL

**ZF approval number**

ZF000635

**Lubricant class 17G**

Premium universal axle and transmission oil

**Manufacturer (17G)**

SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE  
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

**Trade name (17G)**

SINOPEC GREATWALL HD DRIVE AXLE OIL  
ZF POWERFLUID PLUS  
ZF POWERFLUID C-PLUS

**ZF approval number**

ZF002162  
ZF005995  
ZF002087

**Lubricant class 17H****Manufacturer (17H)**

ADDINOL LUBE OIL GMBH, LEUNA/DE  
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE  
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE  
 BAYWA AG MÜNCHEN, MÜNCHEN/DE  
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH  
 CASTROL LTD, LONDON/GB  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUŠEVAC/RS  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 FINKE MINERALÖLWERK GMBH, 27374 VISSLHÖVEDE/DE  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 GEORG OEST MINERALÖLWERK GMBH & CO.KG, FREUDENSTADT/DE  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 INA MAZIVA LTD., ZAGREB/HR  
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL  
 LAEMMLE CHEMICALS AG, MADETSWIL/CH  
 LIQUI MOLY GMBH, ULM/DE  
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE  
 MOTOREX AG, LANGENTHAL/CH  
 OPET FUCHS MADENI YAG. SAN. VE TIC. A.S., IZMIR/TR  
 ORLEN OIL SP. Z O.O., KRAKOW/PL  
 ORLEN OIL SP. Z O.O., KRAKOW/PL  
 ORLEN S.A., GDANSK/PL  
 OY TEBOIL AB, HELSINKI/FI  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 WILHELM HOYER B.V. & CO. KG, VISSLHÖVEDE/DE  
 ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

**Trade name (17H)**

ADDINOL GETRIEBEÖL GX 80W-90 ML  
 AVISTA PEER EVO GL4/GL5 SAE 80W-90  
 AVISTA PEER EVO PRIME GL4/GL5 SAE 80W-90  
 TECTROL MULTIGEAR PLUS 8090  
 EVOLCA BGP 80W90  
 CASTROL TRANSMAX UNIVERSAL LL 80W-90  
 DELO GEAR TDL 80W-90  
 MULTIHIPO 80W-90 F PLUS  
 MOBILUBE S 80W-90  
 AVIATICON FINKOGEAR SUPER 80W-90  
 FUCHS TITAN SUPERGEAR MC SAE 80W-90  
 OEST GETRIEBEÖL FE SAE 80W-90 GL4/5  
 GULF GEAR TDL 80W-90  
 INA HIPENOL TDL 80W-90  
 Q8 GEAR OIL XG SAE 80W-90  
 ROXOR TOPGEAR 80W-90  
 LIQUI MOLY HYPOID GETRIEBEÖL TDL SAE 80W-90  
 MEGOL HYPOID-GETRIEBEOEL TDL 80W-90  
 MOTOREX YORK GEAR ZX TP SAE 80W/90  
 OTOKAR SPECTRA DO Z 80W-90  
 PLATINUM GEAR LL 80W-90  
 ORLEN OIL GEAR LL 80W-90  
 TITANIS SUPER GL-5 80W-90  
 TEBOIL HYPOID SAE 80W-90  
 SHELL SPIRAX S3 AM 80W-90  
 SINOPEC MULTIPURPOSE-II GEAR OIL 80W-90  
 SRS GETRIEBEFLUID SML 80W-90  
 TRAXIUM DUAL 8 FE 80W-90  
 HOYER GEAR M-FS 80W-90  
 ZF ECOFLUID X SAE 80W-90

**ZF approval number**

ZF000672  
 ZF004780  
 ZF004797  
 ZF001160  
 ZF004735  
 ZF002143  
 ZF002273  
 ZF001456  
 ZF000776  
 ZF002299  
 ZF000722  
 ZF000565  
 ZF000780  
 ZF000432  
 ZF002103  
 ZF010966  
 ZF001323  
 ZF001183  
 ZF006006  
 ZF004755  
 ZF000311  
 ZF011188  
 ZF001098  
 ZF001970  
 ZF001292  
 ZF003332  
 ZF000447  
 ZF004817  
 ZF011992  
 ZF001266

**Lubricant class 17K**

Pastes for drive pinion-motor shaft connection

<b>Manufacturer</b>	<b>Trade name</b>
Castrol	Molub-Alloy Paste White T
DuPont	MOLYKOTE® G-N PLUS Solid Lubricant Paste
DuPont	MOLYKOTE® Cu-7439 Plus Paste V1 *)

\*) preferred