



## Transmissions and axles for lift-trucks

## List of lubricants TE-ML 17

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### 1. Approved lubricant classes

Product group	Lubricant classes for service fills <sup>(1)</sup>
Spur-bevel gear drives GRP8, HFK 100-600, GK20LD, GK25LD, GK40	17A / 17B / 17H Turntable bearing: 17P
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	17L
Helical gear drive HFD 80	17M
Electrical power steering EPS3	Transmission: 17N; Wheel hub: 17P
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	17P
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>(2)</sup> attached axles: 17B / 17H
Axles AT30	17E / 17G
Axles AT35	17E <sup>(3)</sup> / 17F / 17G <sup>(3)</sup>
Axles GPA35	Transmission: 17H; Multidisk brake: 17C

The list of lubricants TE-ML 17, **edition 01.04.2026** 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) The current list TE-ML 03 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).
- (3) 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

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. Greasing points not listed under Section 1

Multi-purpose grease according to the specification / requirement:

- DIN 51825 classification KP2K-30 and/or
- ISO 6743-9 classification ISO-L-XCCEB2 or
- ISO 6743-9 classification ISO-L-XCCHB2
- Base oil: mineral or synthetic hydrocarbons (no ester)
- Thickener type: Ca, Li (simple, mixed, complex soap)
- Consistency class: NLGI 2
- EP additives
- Temperature operation limits: min. -30°C to +120°C

### Note:

All commercial products that meet the above specifications/requirements may be used.

There will be no product listing.

At outside temperatures above -20°C, greases with the following classification may also be used:

DIN 51825 classification KP2K-20 and/or  
 ISO 6743-9 classification ISO-L-XBCEB2 or  
 ISO 6743-9 classification ISO-L-XBCHB2

## 5. 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  
 BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 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  
 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  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 GLOBAL LUBRICANT INDUSTRY LLC, AJMAN/AE  
 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  
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 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 (BELGIUM) N.V., ANTWERP/BE  
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE  
 LIQUI MOLY GMBH, ULM/DE  
 LIQUI MOLY GMBH, ULM/DE  
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE  
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE  
 MOEVE COMMERCIAL S.A.U., MADRID/ES  
 MOEVE COMMERCIAL S.A.U., MADRID/ES  
 MOEVE COMMERCIAL S.A.U., MADRID/ES  
 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.S., IZMIR/TR  
 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  
 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  
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 TOTAENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTAENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTAENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTAENERGIES LUBRIFIANTS, NANTERRE/FR  
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 TOTAENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTAENERGIES 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  
 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  
 TRANSLUBE LD SAE 80W  
 TRANSLUBE LD SAE 90  
 UNIVERSAL EP SAE 80W  
 TOR MULTIPURPOSE GEAR OIL SAE 80W90  
 MOBILUBE GX-A 80W  
 MOBIL DELVAC MODERN TRANSMISSION FLUID 80W  
 MOBIL DELVAC MODERN TRANSMISSION FLUID 80W  
 MOBILUBE GX-A 80W  
 FUCHS TITAN GEAR MP SAE 80  
 GEARWAY G4 80W  
 FUCHS TITAN GEAR ZF SAE 80  
 TITAN GEAR MP 80  
 BENZOL TRANSDRIVE ATF DEXRON III  
 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  
 CEPESA TRANSMISIONES 80W-90  
 ERTOL TRANSMISIONES F SAE 80W  
 MOEVE DRIVELINE F SAE 80W  
 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  
 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 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  
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 SRS WIOLIN ML 4 PLUS SAE 90  
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 TRANSELF EP 80W  
 TRAXIUM GEAR 7 80W-85

#### ZF approval number

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**Manufacturer (17A)**

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 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**

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ZF008382  
ZF000377  
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ZF001477  
ZF006102  
ZF006103  
ZF000657

**Manufacturer (17B)**

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ADDINOL GETRIEBEÖL GH 85W-90  
 ADDINOL GETRIEBEÖL GH 80W-90  
 ADDINOL GETRIEBEÖL GH 75 W 90 SL  
 ADDINOL GETRIEBEÖL GX 80 W 90  
 AVIA POWERTRAIN SUPREME GAX 75W-90  
 AVIA POWERTRAIN AX 85W-90  
 AVIA POWERTRAIN PREMIUM AX 80W-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 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 TRANSMAX AXLE LONG DRAIN 80W-90  
 CASTROL SAF-XO 75W-90  
 CHAMPION OEM SPECIFIC 75W90 GL 5  
 MULTIGEAR EP SAE 90  
 MULTIGEAR EP-5 SAE 80W-90  
 DELO GEAR EP-5 SAE 80W-90  
 GEARTEX EP-5 80W-90  
 DELO SYN-TDL 75W-90  
 HYPOID LD SAE 85W-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  
 MOBIL DELVAC MODERN AXLE OIL 80W-90  
 MOBIL DELVAC MODERN AXLE OIL 85W-90 V1  
 MOBILUBE HD-A 85W-90  
 MOBIL DELVAC MODERN AXLE OIL 85W-90 V1  
 AVIATICON FINKOGEAR PREMIUM 75W-90  
 AVIATICON HYPOID EP 80W-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  
 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  
 LONGEVIA TC ECO 80W-90  
 LONGEVIA TCX ECO 75W-90  
 LONGEVIA HD 80W-90

ZF000555  
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ZF002260  
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ZF012196  
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## ZF approval number

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ZF001141  
ZF008268  
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ZF008273

**Manufacturer (17B)**

ROLF LUBRICANTS GMBH, LEVERKUSEN/DE  
 ROLF LUBRICANTS GMBH, LEVERKUSEN/DE  
 S.I.R.A.L. SPA, NOLA NAPOLI/IT  
 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  
 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  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 TEDEX S.A., LUBOCHNIA/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  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
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 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 UNIL OPAL, SAUMUR/FR  
 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, VISSSELHÖVE/DE  
 WOLF OIL CORPORATION N.V., HEMIKSEM/BE  
 YACCO SAS, ST PIERRE LES ELBEUF/FR  
 ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE  
 ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE

**Trade name (17B)**

ROLF TRANSMISSION S9 AGE 75W-90  
 ROLF TRANSMISSION M5 A 80W-90  
 TRANSMISSION 80W-90 GL5  
 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 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 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  
 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  
 DIVINOL GETRIEBEÖL ST 80W90

**ZF approval number**

ZF003626  
 ZF003629  
 ZF006100  
 ZF001233  
 ZF001237  
 ZF001262  
 ZF001352  
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 ZF006105  
 ZF011993  
 ZF003525  
 ZF009462  
 ZF001684  
 ZF012095

**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  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 COMERCIAL ROSHFRANS, S.A. DE C.V., MEXICO, D.F./MX  
 ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUSEVAC/RS  
 ENILIVE 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  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 GLOBAL LUBRICANT INDUSTRY LLC, AJMAN/AE  
 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 (BELGIUM) N.V., ANTWERP/BE  
 LIQUI MOLY GMBH, ULM/DE  
 LIQUI MOLY GMBH, ULM/DE  
 LIQUI MOLY GMBH, ULM/DE  
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE  
 MOEVE COMMERCIAL S.A.U., MADRID/ES  
 MOEVE COMMERCIAL S.A.U., MADRID/ES  
 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  
 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., LUBOCHNIA/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  
 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  
 PENTOSIN ATF 1  
 BENZOL TRANSDRIVE ATF DEXRON III  
 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  
 CEPESA ATF 3000 S  
 CEPESA ATF 2000S  
 MOL ATF  
 MOL ATF SYNT 3H  
 MOL ATF SYNT  
 MULTITRANS ACV  
 MOTOREX YORK ATF TP  
 HIPOL ATF 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**

ZF004823  
 ZF000698  
 ZF003702  
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 ZF009444  
 ZF001363



**Lubricant class 17E****Universal axle and transmission oil****Manufacturer (17E)**

ADDINOL LUBE OIL GMBH, LEUNA/DE  
 ADDINOL LUBE OIL GMBH, LEUNA/DE  
 ARGO TRACTORS S.P.A., FABBRICO RE/IT  
 ARGO TRACTORS S.P.A., FABBRICO RE/IT  
 ARGO TRACTORS S.P.A., FABBRICO RE/IT  
 AVIA AG, MÜNCHEN/DE  
 AVIA AG, MÜNCHEN/DE  
 AVIA AG, MÜNCHEN/DE  
 BAYWA AG MÜNCHEN, MÜNCHEN/DE  
 BAYWA AG MÜNCHEN, MÜNCHEN/DE  
 BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR  
 BELL EQUIPMENT GROUP SERVICES (PTY) LTD, RICHARDS BAY/ZA  
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH  
 BP PLC., LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CATERPILLAR, INC., MOSSVILLE/US  
 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  
 CNH INDUSTRIAL AMERICA LLC, RACINE, WI/US  
 CNH INDUSTRIAL AMERICA LLC, RACINE, WI/US  
 DEUTSCHE ÖLWERKE LUBMIN, LUBMIN/DE  
 ENGEN PETROLEUM (PTY) LIMITED, CAPE TOWN/ZA  
 EUROL B.V., NJIVERDAL/NL  
 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  
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 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 FINKE MINERALÖLWERK GMBH, 27374 VISSSELHÖVEDE/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  
 GB LUBRICANTS, GATESHEAD/GB  
 GS CALTEX CORPORATION, SEOUL/KR  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 HUILES BERLIET S.A., SAINT-PIERRE/FR  
 INA MAZIVA LTD., ZAGREB/HR  
 INA MAZIVA LTD., ZAGREB/HR  
 INA MAZIVA LTD., ZAGREB/HR  
 JOHN DEERE, MOLINE, ILLINOIS/US  
 KROON-OIL B.V., ALMELO/NL  
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE  
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE  
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE  
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE  
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE  
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE  
 LAEMMLE CHEMICALS AG, MADETSWIL/CH  
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE  
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE  
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE  
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE  
 LIQUI MOLY GMBH, ULM/DE  
 LIQUI MOLY GMBH, ULM/DE  
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE  
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE  
 MOEVE COMMERCIAL S.A.U., MADRID/ES  
 MOTOREX AG, LANGENTHAL/CH  
 MOTOREX AG, LANGENTHAL/CH  
 MOTOREX AG, LANGENTHAL/CH  
 PAKEL MOTOR OIL S.P.A. A S.U., SAN BONIFACIO (VR)/IT  
 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  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY

**Trade name (17E)**

ADDINOL UTTO SAE 10W-30  
 ADDINOL UTTO EXTRA (SAE 20W-40)  
 VELA C+ AGROLUBE  
 VELA C+ LANDINI  
 VELA C+ MCCORMICK  
 AVIA HYDROFLUID TD  
 AVIA HYDROFLUID DLZ  
 AVIA POWERTRAIN UTTO-DLZ  
 TECTROL UTTO-ZF  
 TECTROL UTTO-HF  
 BELGIN LUBEX AGROS UTTO PLUS  
 BELL UTTO ULTRA  
 EVOLCA UTTO 8068  
 BP TRACTRAN TF-10  
 CASTROL TRANSMAX AGRI TRANS PLUS 80W  
 CASTROL TRANSMAX AGRI TRANS PLUS 80W  
 CAT MULTIPURPOSE TRACTOR OIL  
 CHAMPION U.T.T. OIL 170 BM  
 1000 THF  
 1000 THF  
 1000 THF  
 1000 THF  
 1000 THF  
 1000 THF  
 PREMIUM TRANSAXLE OIL 20W-40  
 PREMIUM TRANSAXLE OIL 20W-40  
 AVENO UTTO  
 ENGEN AGRIFLUID  
 EUROL HYKROL JD 68  
 MOBILFLUID 424  
 MOBILFLUID 424  
 MOBIL HYDRAUL 56  
 MOBILFLUID 424  
 MOBILFLUID 428  
 MOBILFLUID 428  
 MOBILFLUID 424  
 MOBILFLUID 428  
 MOBILFLUID 428 V2  
 MOBILFLUID 428 V2  
 MOBILFLUID 428 V2  
 MOBILFLUID 428 V2  
 MOBILFLUID 428 V2  
 MOBILFLUID 428 V2  
 AVIATICON AGRA PREMIUM UTTO  
 FUCHS TITAN UTTO ZF (SAE 20W-40)  
 FUCHS TITAN AGRIFARM UTTO MP  
 FUCHS TITAN AGRIFARM UTTO MP  
 TITAN UTTO WB  
 FUCHS AGRIFARM UTTO MP  
 GB UNITRANS(R) ZF  
 DEVELON AXLE OIL STANDARD  
 GULF MPTF 10W-30  
 GULF MPTF 10W-30  
 EPMF  
 INA TRANSHIDROL JD 50  
 INA TRANSHIDROL ZF 20W-40  
 INA TRANSHIDROL JD 50  
 JOHN DEERE HY-GARD  
 AGRIFLUID HT-PLUS  
 Q8 T 2000  
 JCB HP GEAR OIL PLUS  
 JCB HP GEAR OIL PLUS  
 JCB HP GEAR OIL PLUS  
 Q8 T 2200  
 Q8 TERRA 2200 UTTO  
 ROXOR CONSTAR UTTO 803  
 LIEBHERR GEAR MF 80W  
 LIEBHERR GEAR PLUS 20W-40  
 LIEBHERR GEAR MF 80W  
 LIEBHERR GEAR PLUS 20W-40  
 LIQUI MOLY SPECIAL UTTO  
 LIQUI MOLY TRAKTORÖL UTTO  
 MEGOL TRAKTORENOEL UTTO PREMIUM SAE 10W-30  
 MEGOL TRAKTORENOEL UTTO  
 CEPESA AURIGA TE 55 10W-30  
 MOTOREX YORK FARMER POLY 604  
 MOTOREX YORK FARMER POLY 304  
 MOTOREX YORK UTTO CF SAE 10W30  
 UTTO FLUID 4 D SAE 10W-30  
 GALP TRALUB 807 S  
 MAXITRAK TMS OIL 500  
 AMBRA MULTI G (SAE 10W-30)  
 AMBRA MULTI G (SAE 10W-30)  
 AMBRA MULTI G (SAE 10W-30)  
 AKCELA TRANSAXLE FLUID 20W-40  
 AMBRA MULTI G (SAE 10W-30)

**ZF approval number**

ZF000509  
 ZF001845  
 ZF003719  
 ZF003717  
 ZF003718  
 ZF001811  
 ZF005975  
 ZF012242  
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 ZF001409

## ZF approval number

ZF001461  
ZF001634  
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ZF002041  
ZF001366  
ZF010660  
ZF011996  
ZF005951  
ZF011927

**Lubricant class 17F**

<b>Manufacturer (17F)</b>	<b>Trade name (17F)</b>	<b>ZF approval number</b>
ADDINOL LUBE OIL GMBH, LEUNA/DE	ADDINOL UTTO SPEZIAL	ZF000635

**Lubricant class 17G**  
Premium universal axle and transmission oil

Manufacturer (17G)	Trade name (17G)	ZF approval number
SINOPEC LUBRICANT CO., LTD., BEIJING/CN	SINOPEC GREATWALL HD DRIVE AXLE OIL	ZF002162
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE	ZF POWERFLUID PLUS	ZF005995
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE	ZF POWERFLUID C-PLUS (GOLD 1)	ZF002087

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

ADDINOL LUBE OIL GMBH, LEUNA/DE  
 AVIA AG, MÜNCHEN/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  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 FINKE MINERALÖLWERK GMBH, 27374 VISSELHÖVEDE/DE  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 INA MAZIVA LTD., ZAGREB/HR  
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE  
 LAEMMLE CHEMICALS AG, MADETSWIL/CH  
 LIQUI MOLY GMBH, ULM/DE  
 LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT  
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE  
 MOTOREX AG, LANGENTHAL/CH  
 OEST LUBRICANTS GMBH & CO.KG, FREUDENSTADT/DE  
 OPET FUCHS MADENI YAG SAN. VE TIC. A.S., IZMIR/TR  
 ORLEN OIL SP. Z O.O., KRAKOW/PL  
 ORLEN S.A., GDANSK/PL  
 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, VISSELHÖVEDE/DE  
 ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

**Trade name (17H)**

ADDINOL GETRIEBEÖL GX 80W-90 ML  
 AVIA POWERTRAIN GAX 80W-90  
 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  
 MOBILUBE S 80W-90  
 AVIATICON FINKOGEAR SUPER 80W-90  
 FUCHS TITAN SUPERGEAR MC SAE 80W-90  
 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  
 LUKOIL TRANSMISSION UNI 80W-90  
 MEGOL HYPOID-GETRIEBEOEL TDL 80W-90  
 MOTOREX YORK GEAR ZX TP SAE 80W/90  
 OEST GETRIEBEÖL FE SAE 80W-90 GL4/5  
 OTOKAR SPECTRA DO Z 80W-90  
 ORLEN OIL GEAR LL 80W-90  
 TITANIS SUPER GL-5 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  
 ZF012197  
 ZF004780  
 ZF004797  
 ZF012143  
 ZF004735  
 ZF002143  
 ZF002273  
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 ZF011188  
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 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

**Lubricant class 17L**  
Lubricating grease

Manufacturer (17L)	Trade name (17L)	ZF approval number
EXXONMOBIL CORPORATION, HOUSTON, TX/US	UNIREX N2	ZF012117

**Lubricant class 17M**

Lubricating grease

**Manufacturer (17M)**

KLÜBER LUBRICATION, MUNICH/DE

**Trade name (17M)**

MICROLUBE GB 00

**ZF approval number**

ZF012147



**Lubricant class 17N**  
Lubricating grease

Manufacturer (17N)	Trade name (17N)	ZF approval number
TOTALENERGIES LUBRIFIANTS, NANTERRE/FR	MULTIS EP 00	ZF012110

**Lubricant class 17P**

## Lubricating grease

As an alternative to the products listed below, other commercial products that meet the following specifications/requirements may be used.

- DIN 51825 classification KP3K-30 and/or
- ISO 6743-9 classification ISO-L-XCCEB3 or
- ISO 6743-9 classification ISO-L-XCCHB3
- Base oil: mineral or synthetic hydrocarbons (no ester)
- Thickener type: Ca, Li (simple, mixed, complex soap)
- Consistency class: NLGI 3
- EP additives
- Temperature operation limits: min. -30°C to +120°C

At outside temperatures above -20°C, greases with the following classification may also be used:

DIN 51825 classification KP3K-20 and/or

ISO 6743-9 classification ISO-L-XBCEB3 or

ISO 6743-9 classification ISO-L-XBCHB3

**Manufacturer (17P)**

SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB

**Trade name (17P)**

SHELL GADUS S2 V100 3

**ZF approval number**

ZF012113