



Industrial Technology

Transmissions and axles for lift-trucks

List of lubricants TE-ML 17

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The list of lubricants TE-ML 17, **edition 01.10.2026** 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.

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www.zf.com/contact

Disclaimer: The lubricants and providers listed herein are presented solely for the purpose of documenting lubricants that were tested for compatibility with our products. This listing does not constitute an endorsement, recommendation, or preference for any of the mentioned lubricants, manufacturers, or providers. The inclusion of any lubricant in this list does not imply that it is superior to other available options, nor does it indicate that other lubricants or providers are unsuitable for use with our products. There may be additional lubricants, manufacturers, or providers — whether known or unknown to us — that are fully compatible or otherwise appropriate. It remains the sole responsibility of each customer to verify and comply with all applicable sanction laws and regulations prior to purchasing any of the mentioned lubricants.

1. Approved lubricant classes

Product group	Lubricant classes for service fills ⁽¹⁾
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 ⁽²⁾ attached axles: 17B / 17H
Axles AT30	17E / 17G
Axles AT35	17E ⁽³⁾ / 17F / 17G ⁽³⁾
Axles GPA35	Transmission: 17H; Multidisk brake: 17C

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.
- (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
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 FUCHS SE, MANNHEIM/DE
 FUCHS SE, MANNHEIM/DE
 FUCHS SE, MANNHEIM/DE
 FUCHS 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
 GULF OIL INTERNATIONAL, MUMBAI/IN
 GULF OIL INTERNATIONAL, MUMBAI/IN
 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
 LIQUI MOLY PRODUKTIONS GMBH & CO. KG, SAARLOUIS/DE
 LIQUI MOLY PRODUKTIONS GMBH & CO. KG, SAARLOUIS/DE
 MOEVE CLIENT SOLUTIONS, S.A.U., MADRID/ES
 MOEVE CLIENT SOLUTIONS, S.A.U., MADRID/ES
 MOEVE CLIENT SOLUTIONS, S.A.U., MADRID/ES
 MOL-LUB KFT, ALMASFUZITO/HU
 MOTOREX AG, LANGENTHAL/CH
 MOTUL SA, AUBERVILLIERS/FR
 OILFINO MINERALÖL GMBH, PRISDORF/DE
 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
 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
 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
 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
 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
 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
 SRS WOLIN MEHRZWECK-GETRIEBEÖL 80W-90
 SRS WOLIN MEHRZWECK-GETRIEBEÖL 90
 SRS WOLIN MEHRZWECK-GETRIEBEÖL 80
 SRS WOLIN ML 4 PLUS SAE 80W
 SRS WOLIN ML 4 PLUS SAE 80W-90
 SRS WOLIN 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
 TRAXIUM GEAR 7 80W-85

ZF approval number

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 ZF008217

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

ZF008222
ZF008223
ZF008381
ZF008382
ZF000377
ZF007161
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
 EMGARD HP 75W-90
 TECTROL MULTIGEAR HYP 90
 TECTROL SYNTOGear MM 7590
 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 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
 DELO GEAR CGA SAE 80W-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
 MOBIL DELVAC MODERN AXLE OIL 85W-90 V1
 MOBILUBE HD-A 85W-90
 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
 DEVELON AXLE LSD 80W-90
 HYUNDAI AXLE LSD 80W-90
 LONGEVIA TC ECO 80W-90
 LONGEVIA TCX ECO 75W-90

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ZF000042
ZF000668
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ZF003699
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ZF012014
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ZF012157
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ZF001141
ZF008266

ZF approval number

REPSON NAVIGATOR LL 80W-90
 REPSON NAVIGATOR HQ GL-5 80W-90
 REPSON NAVIGATOR HQ GL-5 SAE 90
 ROLF TRANSMISSION S9 AGE 75W-90
 ROLF TRANSMISSION M5 A 80W-90
 TRANSMISSION 80W-90 GL5
 SYN GEAR DIFFERENTIAL OIL 75W-90
 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
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 SHELL SPIRAX S3 AX 80W-90
 SHELL SPIRAX S3 AX 80W-90
 SHELL SPIRAX MB 90
 SHELL SPIRAX S6 AXME 75W-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 TRANSOLF 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
 TRANSOLF TYPE B 80W-90
 TRAXIUM AXLE 9 80W-90
 TRAXIUM AXLE 9 80W-90
 TRANSOLF TYPE B 80W-90
 DYNATRANS HD 80W 90
 TRANSOLF SYN FE 75W-90
 TRAXIUM AXLE 7 80W-90
 TRAXIUM AXLE 7 80W-90
 GEAR ZF 80W90
 GERION TDL 75W90
 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
 HOYER GEAR M-HP 80W-90
 WOLF OFFICIALTECH 75W90 GL 5
 BVX 1000 75W-90
 DIVINOL MULTI-AXLE 80W90
 DIVINOL GETRIEBEÖL ST 80W90

ZF008269
ZF008271
ZF008273
ZF003626
ZF003629
ZF006100
ZF000702
ZF001233
ZF001237
ZF001262
ZF001352
ZF001353
ZF001354
ZF001619
ZF001620
ZF001621
ZF003334
ZF008191
ZF008187
ZF010960
ZF010963
ZF010962
ZF010959
ZF010961
ZF008356
ZF012287
ZF005976
ZF000527
ZF002267
ZF000441
ZF000444
ZF001655
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ZF010330
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ZF001940
ZF003665
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ZF008230
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ZF008232
ZF008393
ZF011486
ZF011518
ZF000343
ZF012286
ZF001283
ZF001837
ZF008218
ZF006105
ZF011993
ZF012144
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 SE, MANNHEIM/DE
 FUCHS SE, MANNHEIM/DE
 FUCHS SE, MANNHEIM/DE
 GLOBAL LUBRICANT INDUSTRY LLC, AJMAN/AE
 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
 LIQUI MOLY PRODUKTIONS GMBH & CO. KG, SAARLOUIS/DE
 MOEVE CLIENT SOLUTIONS, S.A.U., MADRID/ES
 MOEVE CLIENT SOLUTIONS, 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
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA
 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
 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
 DURADRIVE HD ATF
 DURADRIVE HD 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
 ZF004910
 ZF004774
 ZF004775
 ZF004798
 ZF004799
 ZF011973
 ZF001574
 ZF001664
 ZF001714
 ZF000385
 ZF008168
 ZF000951
 ZF000043
 ZF000044
 ZF006088
 ZF000717
 ZF003602
 ZF008334
 ZF012217
 ZF000248
 ZF000390
 ZF000392
 ZF002314
 ZF003726
 ZF004928
 ZF004927
 ZF004926
 ZF004922
 ZF000386
 ZF002040
 ZF001251
 ZF001895
 ZF004917
 ZF002268
 ZF006045
 ZF003623
 ZF001177
 ZF004790
 ZF012265
 ZF009442
 ZF001425
 ZF001667
 ZF000481
 ZF003635
 ZF004757
 ZF000318
 ZF008281
 ZF001371
 ZF001812
 ZF001360
 ZF003348
 ZF003354
 ZF001350
 ZF006067
 ZF006068
 ZF006069
 ZF010594
 ZF003710
 ZF002120
 ZF009444
 ZF001363

Universal axle and transmission oil

ZF approval number

ADINOL LUBE OIL GMBH, LEUNA/DE	ADDINOL UTTO SAE 10W-30	ZF000509
ADDINOL LUBE OIL GMBH, LEUNA/DE	ADDINOL UTTO EXTRA (SAE 20W-40)	ZF001845
ARGO TRACTORS S.P.A., FABBRICO RE/IT	VELA C+ AGROLUBE	ZF003719
ARGO TRACTORS S.P.A., FABBRICO RE/IT	VELA C+ LANDINI	ZF003717
ARGO TRACTORS S.P.A., FABBRICO RE/IT	VELA C+ MCCORMICK	ZF003718
AVIA AG, MÜNCHEN/DE	AVIA HYDROFLUID TD	ZF001811
AVIA AG, MÜNCHEN/DE	AVIA HYDROFLUID DLZ	ZF005975
AVIA AG, MÜNCHEN/DE	AVIA POWERTRAIN UTTO-DLZ	ZF012242
BAYWA AG MÜNCHEN, MÜNCHEN/DE	TECTROL UTTO-ZF	ZF001161
BAYWA AG MÜNCHEN, MÜNCHEN/DE	TECTROL UTTO-HF	ZF002193
BAYWA AG MÜNCHEN, MÜNCHEN/DE	TECTROL UTTO-HF	ZF012209
BAYWA AG MÜNCHEN, MÜNCHEN/DE	TECTROL UTTO-ZF	ZF012219
BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR	BELGIN LUBEX AGROS UTTO PLUS	ZF012190
BELL EQUIPMENT GROUP SERVICES (PTY) LTD, RICHARDS BAY/ZA	BELL UTTO ULTRA	ZF012243
BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH	EVOLCA UTTO 8068	ZF004739
CASTROL LTD, LONDON/GB	BP TRACTRAN TF-10	ZF000897
CASTROL LTD, LONDON/GB	CASTROL TRANSMAX AGRI TRANS PLUS 80W	ZF002188
CASTROL LTD, LONDON/GB	CASTROL TRANSMAX AGRI TRANS PLUS 80W	ZF004801
CATERPILLAR, INC., MOSSVILLE/US	CAT MULTIPURPOSE TRACTOR OIL	ZF000834
CHAMPION CHEMICALS N.V., HEMIKSEM/BE	CHAMPION U.T.T. OIL 170 BM	ZF012281
CHEVRON LUBRICANTS, SAN RAMON, CA/US	1000 THF	ZF011782
CHEVRON LUBRICANTS, SAN RAMON, CA/US	1000 THF	ZF011650
CHEVRON LUBRICANTS, SAN RAMON, CA/US	1000 THF	ZF011683
CHEVRON LUBRICANTS, SAN RAMON, CA/US	1000 THF	ZF011716
CHEVRON LUBRICANTS, SAN RAMON, CA/US	1000 THF	ZF011783
CHEVRON LUBRICANTS, SAN RAMON, CA/US	1000 THF	ZF011749
CLASS KGAA MBH, HARSEWINKEL/DE	CLAAS AGRISHIFT GA 12	ZF012290
CNH INDUSTRIAL AMERICA LLC, RACINE, WI/US	PREMIUM TRANSAXLE OIL 20W-40	ZF011941
CNH INDUSTRIAL AMERICA LLC, RACINE, WI/US	PREMIUM TRANSAXLE OIL 20W-40	ZF011940
DEUTSCHE ÖLWERKE LUBMIN, LUBMIN/DE	AVENO UTTO	ZF001687
ENGEN PETROLEUM (PTY) LIMITED, CAPE TOWN/ZA	ENGEN AGRIFLUID	ZF010627
EUROL B.V., NJIVERDAL/NL	EUROL HYKROL JD 68	ZF001971
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILFLUID 424	ZF000040
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILFLUID 424	ZF000060
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBIL HYDRAUL 56	ZF003675
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILFLUID 424	ZF004764
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILFLUID 428	ZF005939
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILFLUID 428	ZF008383
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILFLUID 424	ZF011883
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILFLUID 428	ZF008221
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILFLUID 428 V2	ZF011983
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILFLUID 428 V2	ZF011982
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILFLUID 428 V2	ZF011970
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILFLUID 428 V2	ZF011968
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILFLUID 428 V2	ZF011969
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILFLUID 428 V2	ZF011972
FINKE MINERALÖLWERK GMBH, 27374 VISSELHÖVEDE/DE	AVIATICON AGRA PREMIUM UTTO	ZF004850
FUCHS SE, MANNHEIM/DE	FUCHS TITAN UTTO ZF (SAE 20W-40)	ZF000661
FUCHS SE, MANNHEIM/DE	FUCHS TITAN AGRIFARM UTTO MP	ZF002184
FUCHS SE, MANNHEIM/DE	FUCHS TITAN AGRIFARM UTTO MP	ZF002183
FUCHS SE, MANNHEIM/DE	TITAN UTTO WB	ZF004829
FUCHS SE, MANNHEIM/DE	FUCHS AGRIFARM UTTO MP	ZF012245
GB LUBRICANTS, GATESHEAD/GB	GB UNITRANS(R) ZF	ZF000870
GS CALTEX CORPORATION, SEOUL/KR	DEVELON AXLE OIL STANDARD	ZF011963
GULF OIL INTERNATIONAL, MUMBAI/IN	GULF MPTF 10W-30	ZF000921
GULF OIL INTERNATIONAL, MUMBAI/IN	GULF MPTF 10W-30	ZF000922
HD HYUNDAI OILBANK, LTD, GYEONGGI-DO/KR	XTEER THF 75W-80	ZF002219
HD HYUNDAI OILBANK, LTD, GYEONGGI-DO/KR	DEVELON AXLE GL-4 75W-80	ZF012284
HD HYUNDAI OILBANK, LTD, GYEONGGI-DO/KR	HYUNDAI AXLE GL-4 75W-80	ZF012291
INA MAZIVA LTD., ZAGREB/HR	INA TRANSHIDROL JD 50	ZF000400
INA MAZIVA LTD., ZAGREB/HR	INA TRANSHIDROL ZF 20W-40	ZF000433
INA MAZIVA LTD., ZAGREB/HR	INA TRANSHIDROL JD 50	ZF000613
JOHN DEERE, MOLINE, ILLINOIS/US	JOHN DEERE HY-GARD	ZF001223
JOHN DEERE, MOLINE, ILLINOIS/US	JOHN DEERE HY-GARD FLEX	ZF012272
KROON-OIL B.V., ALMELO/NL	AGRIFLUID HT-PLUS	ZF008247
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE	Q8 T 2000	ZF000177
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE	JCB HP GEAR OIL PLUS	ZF001636
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE	JCB HP GEAR OIL PLUS	ZF002096
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE	JCB HP GEAR OIL PLUS	ZF003538
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE	Q8 T 2200	ZF003694
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE	Q8 TERRA 2200 UTTO	ZF012087
LAEMMLE CHEMICALS AG, MADETSWIL/CH	ROXOR CONSTAR UTTO 803	ZF009445
LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE	LIEBHERR GEAR MF 80W	ZF001856
LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE	LIEBHERR GEAR PLUS 20W-40	ZF004845
LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE	LIEBHERR GEAR MF 80W	ZF004844
LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE	LIEBHERR GEAR PLUS 20W-40	ZF006093
LIQUI MOLY GMBH, ULM/DE	LIQUI MOLY SPECIAL UTTO	ZF001368
LIQUI MOLY GMBH, ULM/DE	LIQUI MOLY TRAKTORÖL UTTO	ZF011939
LIQUI MOLY PRODUKTIONS GMBH & CO. KG, SAARLOUIS/DE	MEGOL TRAKTORENOEL UTTO PREMIUM SAE 10W-30	ZF001344
LIQUI MOLY PRODUKTIONS GMBH & CO. KG, SAARLOUIS/DE	MEGOL TRAKTORENOEL UTTO	ZF0011906
MAPO SCHMIERSTOFFTECHNIK GMBH, HIMBERG BEI WIEN/AT	MAPO TRANSMISSION UTTO	ZF012274
MOEVE CLIENT SOLUTIONS, S.A.U., MADRID/ES	CEPSA AURIGA TE 55 10W-30	ZF001200
MOTOREX AG, LANGENTHAL/CH	MOTOREX YORK FARMER POLY 604	ZF006009
MOTOREX AG, LANGENTHAL/CH	MOTOREX YORK FARMER POLY 304	ZF008198
MOTOREX AG, LANGENTHAL/CH	MOTOREX YORK UTTO CF SAE 10W30	ZF008241
PAKELO MOTOR OIL S.P.A. A S.U., SAN BONIFACIO (VR)/IT	UTTO FLUID 4 D SAE 10W-30	ZF012042

ZF approval number

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Lubricant class 17F

Manufacturer (17F)	Trade name (17F)	ZF approval number
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
 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 VISSSELHÖVEDE/DE
 FUCHS 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
 LIQUI MOLY PRODUKTIONS GMBH & CO. KG, SAARLOUIS/DE
 LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT
 MOTOREX AG, LANGENTHAL/CH
 OEST LUBRICANTS GMBH & CO.KG, FREUDENSTADT/DE
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 ORLEN S.A., GDANSK/PL
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 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, VISSSELHÖVEDE/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
 TRANSMAX DYNADRIE LONG LIFE 80W-90
 DELO GEAR TDL 80W-90
 MULTIHO 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
 MEGOL HYPOID-GETRIEBEOEL TDL 80W-90
 LUKOIL TRANSMISSION UNI 80W-90
 MOTOREX YORK GEAR ZX TP SAE 80W/90
 OEST GETRIEBEÖL FE SAE 80W-90 GL4/5
 ORLEN OIL GEAR LL 80W-90
 TITANIS SUPER GL-5 80W-90
 SHELL SPIRAX S3 AM 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
 ZF012233
 ZF002273
 ZF001456
 ZF000776
 ZF012155
 ZF002299
 ZF000722
 ZF000780
 ZF000432
 ZF002103
 ZF010966
 ZF001323
 ZF001183
 ZF012150
 ZF006006
 ZF000565
 ZF011188
 ZF001098
 ZF001292
 ZF012279
 ZF003332
 ZF000447
 ZF004817
 ZF011992
 ZF001266

Lubricant class 17K

Pastes for drive pinion-motor shaft connection

Manufacturer	Trade name
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)	Trade name (17M)	ZF approval number
KLÜBER LUBRICATION, MUNICH/DE	MICROLUBE GB 00	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, all commercially available 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