



**Manual and automated ZF transmissions  
for trucks, buses, light commercial vehicles and special  
vehicles with "TE-ML 02" label on the type plate**

**List of lubricants TE-ML 02**

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**1. Approved lubricant classes**

**1.1 Trucks and special applications**

Product groups trucks  <b>Note:</b> Instead of the "0" as the last figure, there may also be a: 2;3;4;5. (Example: 12AS1935, 16S2223)	Lubricant classes	
	First fill <sup>(5)</sup>	Service fill <sup>(6)</sup>
<b>Ecolite</b> S5-42, S6-36, S6-36/2, S5-420	<a href="#">ZF-Ecofluid M</a> 02B <sup>(1)</sup> / 02E	<a href="#">ZF-Ecofluid M</a> 02B <sup>(1)</sup> / 02E / 02L
S5-580	<a href="#">ZF-Ecofluid M</a> 02B <sup>(1)</sup> / 02E	<a href="#">ZF-Ecofluid M</a> 02B <sup>(1)</sup> / 02E / 02L
6S500	<a href="#">ZF-Ecofluid M</a> 02B / 02E	<a href="#">ZF-Ecofluid M</a> 02B / 02E
<b>Ecolite / AS Tronic lite</b> 6S850, 6AS850	<a href="#">ZF-Ecofluid M</a> 02B <sup>(1)</sup> / 02E	<a href="#">ZF-Ecofluid M</a> 02B <sup>(1)</sup> / 02E / 02H <sup>(1)</sup> / 02L
<b>Ecolite</b> 6S1200	<a href="#">ZF-Ecofluid M</a> 02B <sup>(1)</sup> / 02E / 02H <sup>(1)</sup>	<a href="#">ZF-Ecofluid M</a> 02B <sup>(1)</sup> / 02E / 02H <sup>(1)</sup> / 02L
<b>Ecolite / AS Tronic lite</b> 6S700, 6AS700, 6S800, 6AS800, 6S1000, 6AS1000	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02B <sup>(1)</sup> / 02E / 02L
<b>AS Tronic lite</b> Hydraulic actuators	02K	02K

The list of lubricants TE-ML 02, **edition 01.07.2018** replaces all previous editions. The current list 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).

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

Product groups trucks (continuation) <b>Note:</b> Instead of the "0" as the last figure, there may also be a: 2;3;4;5. (Example: 12AS1935, 16S2223)	Lubricant classes	
	First fill <sup>(5)</sup>	Service fill <sup>(6)</sup>
<b>Ecomid without Intarder</b> 9S75, 8S109, 9S109, 16S109	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02H	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02H / 02L
<b>Ecomid with Intarder</b> 8S109IT, 9S109IT, 16S109IT	<a href="#">ZF-Ecofluid M</a> 02E / 02H	<a href="#">ZF-Ecofluid M</a> 02E / 02H / 02L
<b>Ecomid without Intarder / Ecotronic mid</b> 8S1110, 9S910, 9S1110, 9S1310, 9S1510, 9AS910, 9AS1110, 9AS1310, 9AS1510	<a href="#">ZF-Ecofluid M</a> 02B / 02E	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02L
<b>Ecomid with Intarder</b> 8S1111, 9S1111, 9S1311	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02E / 02L
<b>AS Tronic mid</b> 12AS1010, 12AS1210, 12AS1220, 12AS1420, 12AS1620	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02L
<b>Ecosplit without Intarder</b> 8S151, 16S151, 8S181, 16S181, 16S221, 16S251 8S1620, 16S1620, 8S1820, 16S1820, 8S1920, 16S1920, 16S2020, 8S2220, 16S2220, 16S2520, 16S2720 16S1580, 16S1680, 16S2180, 16S2280	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02H	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02H / 02L
<b>Ecosplit with Intarder</b> 8S151IT, 16S151IT, 8S181IT, 16S181IT, 16S221IT, 16S251IT 8S1621, 16S1621, 8S1821, 16S1821, 8S1921, 16S1921, 16S2021, 8S2221, 16S2221, 16S2521, 16S2721 16S1581, 16S1681, 16S2181, 16S2281	<a href="#">ZF-Ecofluid M</a> 02E / 02H	<a href="#">ZF-Ecofluid M</a> 02E / 02H / 02L
<b>Ecosplit without Intarder</b> 16S2320, 16S2330	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02L
12S2130, 12S2330, 12S2830	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02L
8S1630, 16S1630, 8S1830, 16S1830, 8S1930, 16S1930, 16S2030, 8S2230, 16S2230, 16S2530, 16S2733	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02H / 02L
<b>Ecosplit with Intarder</b> 16S2321, 16S2331	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02E / 02L
12S2131, 12S2331, 12S2831	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02E / 02L
16S1631, 8S1831, 16S1831, 8S1931, 16S1931, 16S2031, 8S2231, 16S2231, 16S2531, 16S2731	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02E / 02H / 02L
<b>Classic Line</b> 8S1350, 16S1455TD, 16S1650, 16S1670, 16S1850, 16S1950, 9S1820, 16S1650HD S6-1550, S6-820, S5-680, S6-680, S5-820	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02H	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02H / 02L
<b>AS Tronic without Intarder</b> 12AS1630, 12AS1930, 12AS2130, 12AS2140, 12AS2300, 12AS2301, 12AS2330, 12AS2340, 12AS2501, 12AS2530, 12AS2540, 12AS2740, 12AS2940, 12AS3001, 12AS3002, 12AS3140, 16AS2230, 16AS2600, 16AS2601, 16AS2630	<a href="#">ZF-Ecofluid M</a> 02E / 02V	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02L / 02V
<b>AS Tronic with Intarder</b> 12AS1631, 12AS1931, 12AS2131, 12AS2141, 12AS2300IT, 12AS2301IT, 12AS2331, 12AS2341, 12AS2501IT, 12AS2531, 12AS2541, 12AS2741, 12AS2941, 12AS3001IT, 12AS3002IT, 12AS3141, 16AS2231, 16AS2600IT, 16AS2601IT, 16AS2631	<a href="#">ZF-Ecofluid M</a> 02E / 02V	<a href="#">ZF-Ecofluid M</a> 02E / 02L / 02V

Product groups trucks (continuation) <b>Note:</b> Instead of the "0" as the last figure, there may also be a: 2;3;4;5. (Example: 12AS1935, 16S2223)	Lubricant classes	
	First fill <sup>(5)</sup>	Service fill <sup>(6)</sup>
<b>TraXon without Intarder</b> 12TX1410, 12TX1610, 12TX1810, 12TX2010, 12TX2210, 12TX2410, 12TX 2610, 12TX2420, 12TX2620, 12TX2820, 12TX3020, 12TX3220, 12TX3420 16TX1640, 16TX1840, 16TX2040, 16TX2240, 16TX2440, 16TX2640, 16XT2840, 16TX3040, 16TX3240, 16TX3440	<a href="#">ZF-Ecofluid M</a> 02E / 02V	<a href="#">ZF-Ecofluid M</a> 02E / 02L / 02V
<b>TraXon with Intarder</b> 12TX1411, 12TX1611, 12TX1811, 12TX2011, 12TX2211, 12TX2411, 12TX 2611, 12TX2421, 12TX2621, 12TX2821, 12TX3021, 12TX3221, 12TX3421 16TX1641, 16TX1841, 16TX2041, 16TX2241, 16TX2441, 16TX2641, 16XT2841, 16TX3041, 16TX3241, 16TX3441	<a href="#">ZF-Ecofluid M</a> 02E / 02V	<a href="#">ZF-Ecofluid M</a> 02E / 02L / 02V
<b>Transmatic</b> (Joint oil circuit of basic transmission and converter lock-up clutches) 16S151WSK, 16S221WSK, 16S251WSK	02H <sup>(2)</sup>	02H <sup>(2)</sup>
<b>TC Tronic</b> (Separate oil circuit of basic transmission and converter lock-up clutches) Basic transmission: 12TC2540, 12TC2740	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02L
Torque converter lock-up clutches: TC 2	02H <sup>(2)</sup> / ATF in accordance with TE-ML 14 <sup>(7)</sup>	02H <sup>(2)</sup> / ATF in accordance with TE-ML 14 <sup>(7)</sup>
<b>TC Tronic HD (Heavy Duty)</b> (Separate oil circuit of basic transmission and converter lock-up clutches) Basic transmission: 12AS3040TCIT	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02E / 02L
Torque converter lock-up clutches: TCHD	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02E
<b>NMV</b> 1600L1, 2000L1, 2003L1, 1075K1 (engine-dependent PTO" with independent oil circuit)	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02E / 02L

## 1.2 Buses

Product groups buses	Lubricant classes	
	First fill <sup>(5)</sup>	Service fill <sup>(6)</sup>
<b>Ecolite</b> S5-42, S6-36, S6-36/2, 5S600BO	<a href="#">ZF-Ecofluid M</a> 02B <sup>(1)</sup> / 02E	<a href="#">ZF-Ecofluid M</a> 02B <sup>(1)</sup> / 02E / 02L
<b>Ecolite</b> 6S890, 6S700BO	<a href="#">ZF-Ecofluid M</a> 02B <sup>(1)</sup> / 02E	<a href="#">ZF-Ecofluid M</a> 02B <sup>(1)</sup> / 02E / 02H / 02L
<b>Ecolite without Intarder</b> S6-85, 6S1000BO, 6S1000BD, 6S1200BO, 6S1200BD, 6S1350BO, 6S1600BD, 6S1650BO, 6S1700BO, 6S1900BO	<a href="#">ZF-Ecofluid M</a> 02B <sup>(1)</sup> / 02E / 02H	<a href="#">ZF-Ecofluid M</a> 02B <sup>(1)</sup> / 02E / 02H / 02L
<b>Ecolite with Intarder</b> 6S1351BO, 6S1601BD, 6S1651BO, 6S1901BO, 6S1701BO	<a href="#">ZF-Ecofluid M</a> 02E / 02H	<a href="#">ZF-Ecofluid M</a> 02E / 02H / 02L
<b>Ecolite / AS Tronic lite</b> 6S710BO, 6AS710BO, 6S1010BO, 6AS1010BO, 6S1110BO, 6AS1110BO	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02B <sup>(1)</sup> / 02E / 02L
<b>AS Tronic lite</b> Hydraulic actuators	02K	02K
<b>Ecomid without Intarder</b> 8S180, 8S2100BO, 8S2100BD	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02H	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02H / 02L
<b>Ecomid with Intarder</b> 8S180IT, 8S2101BO, 8S2101BD	<a href="#">ZF-Ecofluid M</a> 02E / 02H	<a href="#">ZF-Ecofluid M</a> 02E / 02H / 02L
<b>Classic Line</b> S6-1550, S6-820, S5-680, S6-680, S5-820, 6S1380BD	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02H	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02H / 02L
<b>AS Tronic without Intarder</b> 10AS2300BO, 10AS2310B, 10AS2700BO, 12AS2000BO, 12AS2300BO, 12AS2301, 12AS2700BO	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02L
<b>AS Tronic with Intarder</b> 10AS2010BIT, 10AS2301IT, 10AS2310BIT, 12AS1601BO, 12AS2000BIT, 12AS2001BO, 12AS2300BIT, 12AS2301IT, 12AS2301BO, 12AS2701BO	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02E / 02L
<b>TraXon with Intarder</b> 12TX1611BO, 12TX2011BO, 12TX2411BO, 12TX2811BO	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02E / 02L
<b>Ecoshift without Intarder</b> 6S1310BD, 6S1310BO, 6S1610BD, 6S1610BO, 6S1910BO	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02E / 02L
<b>Ecoshift with Intarder</b> 6S1311BD, 6S1311BO, 6S1611BD, 6S1611BO, 6S1911BO, 6S2111BO	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02E / 02L

**1.3 Light commercial vehicles**

Product groups Light commercial vehicles	Lubricants / Lubricant classes	
	First fill <sup>(5)</sup>	Service fill <sup>(6)</sup>
5S200VO, 5S270VO, 6S300VD, 6S320VD, 6S350VD, 6S380VO, 6S420VO	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02L
eTronic 6AS300VD, 6AS320VD, 6AS380VO, 6AS400VO, 6AS420VO	Petronas Gear Oil T.E. LD SAE 75W-80 Total Tranself LD SAE 75W80	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02L
6S650, 6S720, 6S750	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02L
6S450, 6S480 VW Amarok, VW Crafter, MAN TGE	<a href="#">ZF-Ecofluid M</a> <sup>(9)</sup> VW spare part no. G 055 538 A2	<a href="#">ZF-Ecofluid M</a> VW spare part no. G 055 538 A2
6S480 IVECO Daily	<a href="#">ZF-Ecofluid M</a> <sup>(9)</sup> 02E	<a href="#">ZF-Ecofluid M</a> 02E
6S450, 6S480 Mercedes-Benz Sprinter	<a href="#">ZF-Ecofluid M</a> 02E	<a href="#">ZF-Ecofluid M</a> 02E Exxon Mobil Gear Oil MB 317 Mercedes-Benz MB 235.10 -- Manual Transmission Oil A 001 989 26 03
5S400	Fuchs Titan EG MP 80 Petronas TUTELA OTZ (80W-90)	<a href="#">ZF-Ecofluid M</a> 02B / 02E

**1.4 Product groups/Models/Versions from the past, not individually listed**

Product groups/Models/Versions	Lubricant classes
<b>Torque converter lock-up clutches (WSK)</b> with separate oil circuit	02H <sup>(2)</sup> / ATF in accordance with TE-ML 14 <sup>(7)</sup>
<b>Transmissions without ZF-Intarder</b> AS Tronic 1 (12AS1800, 16AS2200) Constant-mesh and synchronised transmissions for commercial vehicles	<a href="#">ZF-Ecofluid M</a> 02B / 02E / 02H / 02L
<b>Transmissions with ZF-Intarder</b> AS Tronic 1 (12AS1800IT, 16AS2200IT) Constant-mesh and synchronised transmissions for commercial vehicles	<a href="#">ZF-Ecofluid M</a> 02E / 02H / 02L

## 2. Oil and filter change intervals (filter replacement affects only transmission with Intarder or WSK [torque converter clutch])

**Caution: Please refer to the previous pages, Section 1, tables, for information on the lubricant classes released for the individual product groups.**

ZF-Ecofluid M was specially designed for applications with manual transmissions and automatic transmissions in commercial vehicles. The combination of a hydrocrack base oil with a specially balanced additive package ensures excellent oxidation stability and is thus excellently suited for very long oil change intervals. It warrants high-quality transmission component protection, in particular of the synchronizers and the gearings. As a result of the flat viscosity characteristic curve, the oil is suited for applications in all climate zones, particularly in hot and cold regions. Moreover, in comparison with mineral transmission fluids, ZF-Ecofluid M helps to reduce fuel consumption by 0.5 up to 1.0%.







### Truck, bus and special applications according to sections 1.1, 1.2 and 1.4

Lubricant class	02B, 02H, ATF	02L, 02V	ZF-Ecofluid M 02E	02K
<b>Application</b>	<b>Oil and filter change intervals <sup>(3)</sup></b>			
- Off-road operation e.g. mining application - Average speed up to 20 km/h - Stationary drives - NMV	1.000 h 20.000 km 1 year	5.000 h 100.000 km 1 year	10.000 h 200.000 km 2 years <sup>(4)</sup>	---
- Hot country use <sup>(8)</sup> - Long-distance transport > 44 t - Short-distance transport - Tough operating conditions - Scheduled routes (buses) - Average speed from 20 to 60 km/h	120.000 km 1 year	240.000 km 2 years	360.000 km 3 years <sup>(4)</sup>	---
- Long-distance transport (trucks) - Long-distance coach journeys (buses) - Average speed as of 60 km/h	180.000 km 1 year	360.000 km 2 years	540.000 km 3 years <sup>(4)</sup>	---
- Hydraulic actuators	---	---	---	no oil change needed

### Light commercial vehicles according to section 1.3

Lubricants / Lubricant classes	Oil change intervals
02B Fuchs Titan EG MP 80 Petronas TUTELA OTZ (80W-90)	60.000 km
02L Total Tranself LD 75W-80 Petronas Gear Oil T.E. LD SAE 75W-80	240.000 km
ZF-Ecofluid M / 02E Exxon Mobil Gear Oil MB 317 Mercedes-Benz MB 235.10 -- Manual Transmission Oil A 001 989 26 03	no oil change needed

### 3. Low temperatures limits

Lubricant classes	Oil type / SAE viscosity grade	Initial vehicle start-up at oil sump temperatures
ZF-Ecofluid M 02B / 02E / 02K / 02L / ATF	75W / 75W-80 / 75W-85 / 75W-90 / ATF	- 40°C 
02B / 02H / 02V	80W / 80W-85 / 80W-90	- 20°C 
02B / 02H	40, 85W-90, 90	0°C 
	30	- 15°C 
	20W (Torque converter lock-up clutches TC 2 only)	- 40°C 
	20W (Transmatic only)	- 40°C  - 5°C

### 4. Explanation of footnotes and comments

#### Footnotes

- (1) In moderate climate zones, shift quality of non-automated transmissions is impaired when using the lubrication classes 02B / 02H.
- (2) Lubricants marked (\*) on the following pages must not be used.
- (3) Oil and filter change required, depending on what occurs first. Only use genuine ZF filter inserts:
  - Intarder 2: 6085 298 026
  - Intarder 3: 0501 215 163
  - WSK: 0501 202 378
- (4) These intervals only apply to a hose breather in a dry area. If there is no hose breather in the dry area, the oil change intervals specified for lubricant class 02L apply. This restriction does not apply to TraXon and bus applications. In the case of transmissions filled ex-works with lubricant class 02E / 02V, no oil change must be effected during the first two years as of initial registration. In case of retrofitting or repair in this period, oil refills with lubricant class 02E / 02V are permitted. Exception: The limits of application in accordance with the TE-ML 02 (operating hours, mileage [km]) are already met prior to the expiration of the first two years.
- (5) First filling: Only the lubricant classes listed are permitted for initial fillings of transmissions. ZF recommends the oil grades listed in Tables 1.1 -1.4.
- (6) Service filling: The lubricant classes listed are compulsory for service oil changes according to the oil-change intervals mentioned under Section 2. In case of oil changes at transmission mileage of up to 7500 km, only oils for initial fillings must be used. In the case of transmissions filled ex-works with lubricant class 02E / 02V, due attention must always be paid to footer 4.
- (7) All lubricants of TE-ML 14 may be used. Oil change intervals and temperature limits of TE-ML 02 do apply.
- (8) The denomination „hot country use“ is derived from the area where the vehicle is used, rather than from a country in the sense of a state.  
Regarding ZF units, we say "Hot country use" when:
  1. the monthly average temperature exceeds 25°C in more than 2 months within a year
  2. or if temperatures rise above 40°C on more than 7 days in a year.
- (9) No oil changes are required during transmission operation.

#### Comments

1. Instructions for transmission ventilation in accordance with Installation Guidelines 1203 765 110 and 1328 765 101 must be followed.
2. A lithium saponified multipurpose grease of NLGI class 2 which is mixable with mineral oil is to be used at greasing points (grease code KP2K-30 in acc. with DIN 51825 or ISO-L-XCCHB2 in accordance with ISO 6743-9).
3. 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. ZF will not assume liability for damage caused by non-observance of our maintenance instructions.

## **5. Lubricant classes and approved trade products**

### **Lubricant class 02A**

**Note:**

Oils formerly approved according to lubricant class 02A are now found in lubricant class 02B.



**Lubricant class 02B****Note:**

In moderate climate zones, shift quality is impaired if viscosity grades higher than SAE 80W are used.

**Manufacturer (02B)**

ADDINOL LUBE OIL GMBH, LEUNA/DE  
 ADDINOL LUBE OIL GMBH, LEUNA/DE  
 ARAL AG, BOCHUM/DE  
 ARAL AG, BOCHUM/DE  
 ARAL AG, BOCHUM/DE  
 BAHRAIN PETROLEUM COMPANY, AWALI/BH  
 BASF SE, LUDWIGSHAFEN/DE  
 BAYWA AG MÜNCHEN, MÜNCHEN/DE  
 BP PLC., LONDON/GB  
 BP PLC., LONDON/GB  
 BP PLC., LONDON/GB  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 BUCHER AG LANGENTHAL, LANGENTHAL/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  
 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  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CONDAT LUBRIFIANTS, CHASSE SUR RHONE/FR  
 CONDAT LUBRIFIANTS, CHASSE SUR RHONE/FR  
 DAF TRUCKS NV, EINDHOVEN/NL  
 DE OLIEBRON BV, ZWIJNDRECHT/NL  
 ENI S.P.A., ROME/IT  
 ENI S.P.A., ROME/IT  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 FABRIKA MAZIVA FAM AD, KRUŠEVAC/RS  
 FABRIKA MAZIVA FAM AD, KRUŠEVAC/RS  
 FINKE MINERALÖLWERK GMBH, 27374 VISSLHÖVEDE/DE  
 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  
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU  
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU  
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU  
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU  
 GEORG OEST MINERALÖLWERK GMBH & CO.KG, FREUDENSTADT/DE  
 GEORG OEST MINERALÖLWERK GMBH & CO.KG, FREUDENSTADT/DE  
 GRUPA LOTOS S.A., GDANSK/PL  
 GRUPA LOTOS S.A., GDANSK/PL  
 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  
 HUILES BERLIET S.A., SAINT-PIERRE/FR  
 IGOL FRANCE, AMIENS/FR  
 INA MAZIVA LTD., ZAGREB/HR  
 INA MAZIVA LTD., ZAGREB/HR  
 IPIRANGA PRODUTOS DE PETRÓLEO SA, RIO DE JANEIRO/BR  
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL  
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL  
 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  
 MOL-LUB KFT, ALMASFUZITO/HU  
 MOOVE LUBRICANTS, GRAVESEND/GB  
 MOTUL SA, AUBERVILLIERS/FR  
 NIS AD, NOVI SAD/RS  
 NIS AD, NOVI SAD/RS  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU

**Trade name (02B)**

ADDINOL GETRIEBEÖL GX 80W-90 ML  
 ADDINOL GETRIEBEÖL GH 75 W 90 SL  
 ARAL GETRIEBEÖL SNA-E 75W-90  
 ARAL GETRIEBEÖL EP PLUS 80W-90  
 ARAL GETRIEBEÖL EP 80W-90  
 SPAREX HP 90 GL-4  
 EMGARD UAF 7105  
 TECTROL MULTIGEAR PLUS 8090  
 BP ENERGEGEAR HT 80W-90  
 BP ENERGEGEAR SHX-M 75W-90  
 BP ENERGEGEAR EP 80W-90  
 UNISYNT ZX SAE 75W90  
 GEAR ZX TP SAE 80W/90  
 PENTA TL SAE 75W/90  
 CASTROL SYNTRAX UNIVERSAL 80W-90  
 CASTROL MANUAL EP 80W-90  
 SYNTRAX UNIVERSAL PLUS 75W-90  
 CASTROL TRANSMAX MANUAL EP 80W-90  
 CASTROL TRANSMAX MANUAL EP 80W-90  
 CASTROL TRANSMAX MANUAL EP 80W-90  
 CASTROL TRANSMAX UNIVERSAL LL 80W-90  
 CASTROL TRANSMAX UNIVERSAL LL 75W-90  
 CEPSA TRANSMISIONES EP FE+LD 75W-90  
 MAN SUPER AXLE 3343 75W-90  
 TRANSLUBE LD SAE 80W  
 TRANSLUBE LD SAE 90  
 MULTIGEAR 80W-90  
 MULTIGEAR S 75W-90  
 DELO GEAR TDL 80W-90  
 DELO SYN-TDL 75W-90  
 GEAR TXS 75W90  
 GEAR TDM 80W  
 DAF SUPER 80W-90  
 TOR UNI GEAR LD 75W90  
 ENI ROTRA LSX 75W-90  
 ENI ROTRA MP 75W-90  
 MOBILUBE 1 SHC 75W-90  
 MOBILUBE S 80W-90  
 MULTIHIPO 75W-90 SINT  
 MULTIHIPO 80W-90 F PLUS  
 AVIATICON FINKOGEAR PREMIUM 75W-90  
 AVIATICON FINKOGEAR SUPER 80W-90  
 FUCHS TITAN SUPERGEAR MC SAE 80W-90  
 GEARWAY S5 75W-90  
 FUCHS TITAN TITAN GEAR ZF SAE 80  
 FUCHS TITAN CYTRAC TD SAE 75W-90  
 G-TRUCK GL-4/GL-5 80W-90  
 G-BOX GL-4/GL-5 75W-90  
 GAZPROMNEFT GL-4/GL-5 75W-90  
 KAMAZ G-PROFI SERVICE LINE GL-4/GL-5 75W-90  
 OEST SYNTH GETRIEBEÖL SAE 75W-90  
 OEST GETRIEBEÖL FE SAE 80W-90 GL4/5  
 TITANIS SUPER GL-5 75W/90  
 TITANIS SUPER GL-5 80W-90  
 GULF GEAR XP DURA MAX 80W-90  
 GULF GEAR TDL 80W-90  
 GULF SYNGEAR 75W-90  
 GULF GEAR MZ 80W  
 GULF GEAR MZ 90  
 GULF GEAR MZ 85W-90  
 GULF GEAR MZ 80W-90  
 GULF GEAR ZX 80W  
 FASTROIL MTF4 80W-90  
 RTO LONGEVIA TCX ECO 75W-90  
 SYNTHEGEAR 75W-90  
 INA HIPENOL TDL 80W-90  
 INA HIPENOL SHD 75W-90  
 IPIRANGA ULTRAGEAR MB 80W  
 Q8 TRANS XGS 75W-90  
 Q8 GEAR OIL XG SAE 80W-90  
 LIEBHERR SYNTOGEAR PLUS 75W-90  
 LIQUI MOLY HYPOID GETRIEBEÖL TDL SAE 80W-90  
 LIQUI MOLY VOLLSYN. HYPOID GETR.ÖL TRUCK (75W-90)  
 MEGOL HYPOID-GETRIEBEOEL TDL 80W-90  
 MEGOL GETRIEBEOEL TRUCK-SYNTH SAE 75W-90  
 MOL HYKOMOL TDL 75W90  
 COMMA PRO EP 75W-90 TDL  
 MOTUL GEAR SYNTH TDL 75W-90  
 NISOTEC HIPO LD ZF SAE 80W-90  
 NISOTEC HIPO SINT TDL SAE 75W-90  
 LUKOIL TRANSMISSION TM-4/5 75W-90  
 LUKOIL TRANSMISSION TM-4 SAE 80W

**ZF approval number**

ZF000672  
 ZF002260  
 ZF000142  
 ZF000460  
 ZF001715  
 ZF001694  
 ZF001876  
 ZF001160  
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 ZF001291  
 ZF003365  
 ZF003420  
 ZF000825  
 ZF001362  
 ZF002038  
 ZF001013  
 ZF001431

**Manufacturer (02B)**

OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 ORLEN OIL SP. Z O.O., KRAKOW/PL  
 OY TEBOIL AB, HELSINKI/FI  
 OY TEBOIL AB, HELSINKI/FI  
 PAKELO MOTOR OIL, SAN BONIFACIO (VR)/IT  
 PANOLIN AG, MADETSWIL/CH  
 PANOLIN AG, MADETSWIL/CH  
 PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR  
 PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR  
 PETROGAL S.A., LISBOA/PT  
 PETROL OFISI A.S., ISTANBUL/TR  
 PETROMIN CORPORATION, JEDDAH/SA  
 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  
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES  
 RN-LUBRICANTS, LLC, MOSCOW/RU  
 SASOL OIL, RANDBURG/ZA  
 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  
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
 SK LUBRICANTS, 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  
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR  
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR  
 VALVOLINE CUMMINS PVT LIMITED, GURGAON/IN  
 VALVOLINE EUROPE, DORDRECHT/NL  
 VEEDOL INTERNATIONAL LIMITED, GLASGOW/GB  
 YACCO SAS, ST PIERRE LES ELBEUF/FR  
 YORK LUBRICANTS - GINOUVES SAS, LA GARDE/FR  
 YPF S.A., BUENOS AIRES/AR  
 ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

**Trade name (02B)**

LUKOIL TRANSMISSION TM-4 80W-90  
 LUKOIL TRANSMISSION TM-4 80W-85  
 LUKOIL TRANSMISSION UNI 80W-90  
 LUKOIL TRANSMISSION UNI S 75W-90  
 LUKOIL TRANSMISSION UNI 80W-90  
 LUKOIL TRANSMISSION MN 75W-90  
 PLATINUM GEAR LL 80W-90  
 TEBOIL HYPOID SAE 75W-90  
 TEBOIL HYPOID SAE 80W-90  
 GLOBAL MULTIGEAR TS SAE 75W/90  
 PANOLIN TOPGEAR 80W/90  
 PANOLIN SUPER DUTY SYNTH 75W/90  
 LUBRAX TRM 4 SAE 80W  
 LUBRAX TRM 4 SAE 90  
 GALP TRANSVEX TDL 75W90  
 MAXIGEAR D 75W-90  
 PETROMIN GEAR BOX Z12 SAE 80W90  
 TUTELA TRANSMISSION STARGEAR AX-ED (SAE 75W-90)  
 TUTELA TRANSMISSION STARGEAR HD (SAE 80W)  
 TUTELA TRANSMISSION STARGEAR AX-ED (SAE 75W-90)  
 UNIGEAR GOLD 75W90  
 REPSOL CARTAGO FE LD 75W90  
 ROSNEFT KINETIC MT 80W-90  
 SYN GEAR DIFFERENTIAL OIL 75W-90  
 SHELL SPIRAX S3 AM 80W-90  
 SHELL SPIRAX S3 G 80W-90  
 SHELL SPIRAX S3 G 80W  
 SHELL SPIRAX S6 ADME 75W-90  
 SINOPEC GREATWALL MTF C-I 80W  
 SINOPEC GREATWALL MTF C-I 80W-90  
 SINOPEC GREATWALL MTF C-I 85W-90  
 SINOPEC MULTIPURPOSE-II GEAR OIL 80W-90  
 TATADW G EP 80W-90  
 SRS GETRIEBEFLUID SML 80W-90  
 SRS WIOLIN RSG 80  
 SRS GETRIEBEFLUID SXL 75W-90  
 SRS WIOLIN ML 4 PLUS SAE 80W  
 SRS WIOLIN ML 4 PLUS SAE 80W-90  
 SRS WIOLIN ML 4 PLUS SAE 90  
 ELF TRANSELF SYNTHSE FE 75W-90  
 TOTAL TRANSMISSION DUAL 9 FE 75W-90  
 VALVOLINE GEAR GARD PLUS 80W90  
 VALVOLINE HEAVY DUTY AXLE OIL PRO 80W-90  
 VEEDOL TRANSMISSION SYNTHETIC LD 75W-90  
 BVX 1000 75W-90  
 YORK 896 75W90  
 HIPOIDAL SUPER S 75W-90  
 ZF-ECOFUID X SAE 80W-90

**ZF approval number**

ZF001524  
 ZF001525  
 ZF001768  
 ZF001769  
 ZF002259  
 ZF003405  
 ZF000311  
 ZF001969  
 ZF001970  
 ZF001224  
 ZF000423  
 ZF000462  
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 ZF000980  
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 ZF001966  
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 ZF002132  
 ZF000447  
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 ZF001555  
 ZF001771  
 ZF000985  
 ZF001869  
 ZF001629  
 ZF001612  
 ZF000550  
 ZF003384  
 ZF001266

**Lubricant class 02E****Manufacturer (02E)**

ARAL AG, BOCHUM/DE  
CASTROL LTD, LONDON/GB  
CASTROL LTD, LONDON/GB  
CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES  
DAF TRUCKS NV, EINDHOVEN/NL  
FUCHS PETROLUB SE, MANNHEIM/DE  
HUILES BERLIET S.A., SAINT-PRIEST/FR  
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
TOTAL LUBRIFIANTS S.A., NANTERRE/FR  
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

**Trade name (02E)**

ARAL GETRIEBEÖL SNS-M 75W-80  
CASTROL SYNTRANS Z LONG LIFE 75W-80  
CASTROL TRANSMAX MANUAL Z LONG LIFE 75W-80  
CEPSA TRANSMISIONES Z5 FE+LD 75W80  
DAF XTREME 75W-80  
FUCHS TITAN CYTRAC ULTRA SYNTH SAE 75W-80  
RTO LONGEVIA BZV ECO 75W-80  
TUTELA TRANSMISSION XT-D 540 (SAE 75W-80)  
TOTAL TRANSMISSION GEAR 9 FE 75W-80  
ZF-ECOFLUID M SAE 75W-80

**ZF approval number**

ZF000130  
ZF000609  
ZF002157  
ZF002240  
ZF002124  
ZF001457  
ZF001260  
ZF000532  
ZF001773  
ZF002155

**Lubricant class 02H****Note:**

1. In moderate climate zones, shift quality is impaired if viscosity grades higher than SAE 80W or SAE 30 are used.
2. Product group Transmatic/Torque converter lock-up clutches TC 2: With oil sump temperatures below -15°C, engine oil of viscosity grade SAE 20W (API CD/CE/CF-4/CF/CG-4/CH-4/CI-4/SF/SG/SH/SJ/SL specifications or ACEA categories A/B/E) must be used. If possible, any one of the below-mentioned commercial products in the viscosity class SAE 20W is to be used.
3. Product group Transmatic/Torque converter lock-up clutches TC 2: The lubricants marked thus (\*) may not be used.

**Manufacturer (02H)**

ADDINOL LUBE OIL GMBH, LEUNA/DE  
 ADDINOL LUBE OIL GMBH, LEUNA/DE  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 IPIRANGA PRODUTOS DE PETRÓLEO SA, RIO DE JANEIRO/BR  
 IPIRANGA PRODUTOS DE PETRÓLEO SA, RIO DE JANEIRO/BR  
 PANOLIN AG, MADETSWIL/CH  
 PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR  
 PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR  
 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 (02H)**

ADDINOL TURBO DIESEL MD 305 SAE 30  
 ADDINOL TURBO DIESEL MD 405 SAE 40 (\*)  
 URSA TRANS SAE 40 (\*)  
 FUCHS TITAN UNIVERSAL HD SAE 30 ZF  
 GULF SUPER DUTY LE 30  
 IPIRANGA ULTRAGEAR 40 (\*)  
 IPIRANGA ULTRAGEAR ZF 40 (\*)  
 PANOLIN EXTRA DIESEL 30  
 LUBRAX TRM 5 HD SAE 30  
 LUBRAX TRM 5 HD SAE 40 (\*)  
 TUTELA TRANSMISSION ZCS 160 (SAE 80W-90)  
 TUTELA TRANSMISSION ZCS 160 (SAE 80W-90)  
 TUTELA TRANSMISSION ZCS 160 (SAE 80W-90)

**ZF approval number**

ZF000624  
 ZF000625  
 ZF000821  
 ZF000719  
 ZF001147  
 ZF001340  
 ZF002264  
 ZF000393  
 ZF001174  
 ZF001175  
 ZF000026  
 ZF001901  
 ZF001902

**Lubricant class 02K**

**Manufacturer (02K)**

FUCHS PETROLUB SE, MANNHEIM/DE

**Trade name (02K)**

PENTOSIN CHF 11S

**ZF approval number**

ZF000832

**Lubricant class 02L****Manufacturer (02L)**

ADDINOL LUBE OIL GMBH, LEUNA/DE  
 BARDAHL ASIA PACIFIC PTE LTD, SINGAPORE/SG  
 BAYWA AG MÜNCHEN, MÜNCHEN/DE  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 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  
 CONDAT LUBRIFIANTS, CHASSE SUR RHONE/FR  
 DAF TRUCKS NV, EINDHOVEN/NL  
 DE OLIEBRON BV, ZWIJNDRECHT/NL  
 DONGFENG COMMERCIAL VEHICLE CO. LTD, HUBEI/CN  
 ENI S.P.A., ROME/IT  
 EUROPART TRADING GMBH, HAGEN/DE  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 FINKE MINERALÖLWERK GMBH, 27374 VISSELHÖVEDE/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  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 HAFSA FRANCE, YVETOT/FR  
 IGOL FRANCE, AMIENS/FR  
 INA MAZIVA LTD., ZAGREB/HR  
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL  
 LIQUI MOLY GMBH, ULM/DE  
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE  
 MOL-LUB KFT, ALMASFUZITO/HU  
 MOTUL SA, AUBERVILLIERS/FR  
 OLIPES S.L., CAMPO REAL - MADRID/ES  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OY TEBOIL AB, HELSINKI/FI  
 PAKELI MOTOR OIL, SAN BONIFACIO (VR)/IT  
 PAZ LUBRICANTS & CHEMICALS, HAIFA/IL  
 PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR  
 PETROGAL S.A., LISBOA/PT  
 PETROL OFISI A.S., ISTANBUL/TR  
 PETROMIN CORPORATION, JEDDAH/SA  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 PHI OIL GMBH, ST. GEORGEN/AT  
 RALOY LUBRICANTES, S.A. DE C.V., SANTIAGO TIANGUISTEN/MX  
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE  
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A., MADRID/ES  
 S-OIL CORPORATION, SEOUL/KR  
 SASOL OIL, RANDBURG/ZA  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
 SK LUBRICANTS, SEOUL/KR  
 TAMOIL ITALIA SPA, MILANO/IT  
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR  
 UNIL OPAL, SAUMUR/FR  
 VALVOLINE EUROPE, DORDRECHT/NL  
 VEEDOL INTERNATIONAL LIMITED, GLASGOW/GB  
 YACCO SAS, ST PIERRE LES ELBEUF/FR  
 YORK LUBRICANTS - GINOUVES SAS, LA GARDE/FR  
 ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE

**Trade name (02L)**

ADDINOL GETRIEBEÖL GS 75W-80 SL  
 SYNMAXTRAN 4000 SAE 75W-80  
 TECTROL SYNTOGEAR MA 7580  
 MOTOREX PRISMA TF SAE 75W/80  
 CASTROL SYNTRANS Z 75W-80  
 CASTROL TRANSMAX MANUAL Z 75W-80  
 CEPSA TRANSMISIONES FE+LD 75W-80  
 MAN SUPER GEAR 75W-80  
 MULTIGEAR MTF 75W-80  
 MULTIGEAR MTF 75W-80  
 DELO SYN-MTF XZ 75W-80  
 GEAR TDS 75W80  
 DAF PREMIUM 75W-80  
 TOR MT/LD GEAR OIL 75W80  
 DFCV-HDT 31  
 ENI ROTRA MULTIGEAR 75W-80  
 EUROPART SYNTHOGEAR INT. 75W80  
 MOBIL DELVAC XHP TRANSMISSION OIL 75W-80  
 MOBIL DELVAC 1 TRANSMISSION FLUID 75W-80  
 AVIATICON GOLD MTF 75W-90  
 FUCHS TITAN CYTRAC MAN SYNTH SAE 75W-80  
 PENTOSIN TLD 75W-80  
 GEARWAY S4 LT 75W-80  
 GEARWAY S4 75W-80  
 FUCHS TITAN CYTRAC MAT SAE 75W-80  
 FUCHS TITAN CYTRAC MAT SAE 75W-80  
 GULF SYNGEAR FE 75W-80  
 GEARTARDER SAE 75W-80  
 TRANS GEAR ZF PLUS 75W80  
 INA TRANSMOL HD SAE 75W-80  
 Q8 T 60 NTECH SAE 75W-80  
 LIQUI MOLY TRUCK GETRIEBEÖL HC GL4 SAE 75W-80  
 MEGOL PREMIUM GETRIEBEÖL HC GL 4 75W80  
 MOL HYKOMOL SYNTRANS 75W80  
 MOTUL GEAR SYNTH XD 75W-80  
 MAXIGEAR TS 7400 - SAE 75W-80  
 LUKOIL TRANSMISSION TM-4 75W-80  
 LUKOIL TRANSMISSION LDI 75W-80  
 LUKOIL TRANSMISSION SYNTH MPV 75W-80  
 TEBOIL GEAR MTF-V  
 GOLDENGAR LD PLUS SAE 75W/80  
 PAZ TRANS ULTRA 75W-80  
 LUBRAX GOLD XP SAE 75W-80  
 GALP TRANSVEX TDL ULTRA 75W80  
 MAXIGEAR S 75W-80  
 PETROMIN GEAR BOX Z2 SAE 75W80  
 TUTELA TRANSMISSION FE-GEAR (SAE 75W-80)  
 GEAR OIL MDV SILVER 75W80  
 KRÖNEN TRANSMISSION SYNTHETIC OIL 341  
 RAVENOL SSG SPEC SYNT LKW GETRIEBEÖL 75W-80  
 REPSOL CARTAGO CAJAS FE LD 75W80  
 S-OIL 7 GEAR EP LL  
 SYN GEARBOX OIL 75W-80  
 SHELL SPIRAX S6 GXME 75W- 80  
 SINOPEC GREATWALL MTF 02L 75W-80  
 SINOPEC GREATWALL MTF 02L 75W-80  
 SK GEAR EP 75W-80 ZF  
 TAMOIL TAMGEAR PLUS SAE 75W-80  
 TOTAL TRANSMISSION GEAR 8 FE 75W-80  
 GERION LD 75W80  
 VALVOLINE HEAVY DUTY GEAR OIL PRO 75W-80 LD  
 VEEDOL GEAR OIL LD 75W-80  
 BVX Z 1000 75W-80  
 YORK 994  
 DIVINOL SYNTHOGEAR INT. 75W80

**ZF approval number**

ZF000974  
 ZF003331  
 ZF001935  
 ZF001660  
 ZF000219  
 ZF002214  
 ZF000472  
 ZF000862  
 ZF000813  
 ZF001220  
 ZF002275  
 ZF001040  
 ZF002123  
 ZF000634  
 ZF001809  
 ZF000861  
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 ZF001987  
 ZF001439  
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 ZF001673  
 ZF001263  
 ZF001472  
 ZF001481  
 ZF002047  
 ZF003393  
 ZF000779  
 ZF001338  
 ZF001779  
 ZF000367  
 ZF001830  
 ZF002025  
 ZF001042  
 ZF000735  
 ZF001679

**Lubricant class 02V****Note:**

The lubricant class 02V has been specially developed for use in demanding situations at high temperatures. If the reference "OIL GRADE 02V" is stated on the type plate, in principle only this type of oil may be used on the product concerned. This also applies for servicing (oil changes, refilling after repair, refill).

**Manufacturer (02V)**

ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

**Trade name (02V)**

ZF-ECOFLUID HV SAE 80W-90

**ZF approval number**

ZF003444