



**Manual and automatic transmissions  
for vans, trucks and buses  
with "TE-ML 02" entry on the type plate**

**List of lubricants TE-ML 02**

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**1. Approved lubricant classes**

**1.1 VAN**

<b>Product groups</b> <b>VAN</b>	<b>Lubricant classes</b>	
	<b>First fill (5)</b>	<b>Service fill (6)</b>
<b>Ecolite</b> 5S200VO, 5S270VO, 6S300VD, 6S320VD, 6S350VD, 6S380VO, 6S420VO	ZF-Ecofluid M 02E / 02D / 02G	ZF-Ecofluid M 02A(1) / 02B(1) / 02D / 02E / 02F / 02G / 02L
<b>eTronic</b> 6AS300VD, 6AS320VD, 6AS380VO, 6AS400VO , 6AS420VO	ZF-Ecofluid M 02E / 02D	ZF-Ecofluid M 02D / 02E / 02G / 02L
<b>Ecolite</b> 5S510, 6S650, 6S720, 6S750	ZF-Ecofluid M 02E	ZF-Ecofluid M 02A(1) / 02B(1) / 02D / 02E / 02F / 02G / 02L
<b>Ecolite</b> 5S400	02A / 02D	02A / 02D

The list of lubricants TE-ML 02, **Edition 01.04.2010** 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](http://www.zf.com).

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## 1.2 Trucks

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 (5)	Service fill (6)
<b>Ecolite</b> S5-42, S6-36, S6-36/2, S5-420	ZF-Ecofluid M 02A(1) / 02B(1) / 02E / 02G	ZF-Ecofluid M 02A(1) / 02B(1) / 02D / 02E / 02F / 02G / 02L
<b>Ecolite / AS Tronic lite</b> 6S850, 6AS850	ZF-Ecofluid M 02A(1) / 02B(1) / 02E / 02G	ZF-Ecofluid M 02A(1) / 02B(1) / 02D / 02E / 02G / 02H(1) / 02L
<b>Ecolite</b> 6S1200TO, 6S1200TD	ZF-Ecofluid M 02A(1) / 02B(1) / 02E / 02H(1)	ZF-Ecofluid M 02A(1) / 02B(1) / 02D / 02E / 02H(1) / 02L
<b>Ecolite / AS Tronic lite</b> 6S700TO, 6AS700TO, 6S800TO, 6AS800TO, 6S1000TO, 6AS1000TO	ZF-Ecofluid M 02E	ZF-Ecofluid M 02A(1) / 02B(1) / 02D / 02E / 02L
<b>AS Tronic lite</b> Hydraulic actuators	02K	02K
<b>Ecomid without Intarder</b> 9S75, 8S109, 9S109, 16S109	ZF-Ecofluid M 02A / 02B / 02E / 02H	ZF-Ecofluid M 02A / 02B / 02D / 02E / 02H / 02L
<b>Ecomid with Intarder</b> 8S109IT, 9S109IT, 16S109IT	ZF-Ecofluid M 02E / 02H	ZF-Ecofluid M 02D / 02E / 02H / 02L
<b>Ecomid without Intarder</b> 8S1110, 9S1110, 9S1310	ZF-Ecofluid M 02A / 02B / 02E	ZF-Ecofluid M 02A / 02B / 02D / 02E / 02L
<b>Ecomid with Intarder</b> 8S1111, 9S1111, 9S1311	ZF-Ecofluid M 02E	ZF-Ecofluid M 02D / 02E / 02L
<b>AS Tronic mid</b> 12AS1010, 12AS1210, 12AS1220, 12AS1420, 12AS1620	ZF-Ecofluid M 02E	ZF-Ecofluid M 02A / 02B / 02D / 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	ZF-Ecofluid M 02A / 02B / 02E / 02H	ZF-Ecofluid M 02A / 02B / 02D / 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	ZF-Ecofluid M 02E / 02H	ZF-Ecofluid M 02D / 02E / 02H / 02L

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 (5)	Service fill (6)
<b>Ecosplit without Intarder</b> 16S231, 16S2320, 16S2330	ZF-Ecofluid M 02E	ZF-Ecofluid M 02A / 02B / 02D / 02E / 02L
12S2130, 12S2330, 12S2830	ZF-Ecofluid M 02E	ZF-Ecofluid M 02A / 02B / 02D / 02E / 02L
8S1630, 16S1630, 8S1830, 16S1830, 8S1930, 16S1930, 16S2030, 8S2230, 16S2230, 16S2530, 16S2730	ZF-Ecofluid M 02E	ZF-Ecofluid M 02A / 02B / 02D / 02E / 02H / 02L
<b>Ecosplit with Intarder</b> 16S231IT, 16S2321, 16S2331	ZF-Ecofluid M 02E	ZF-Ecofluid M 02D / 02E / 02L
12S2131, 12S2331, 12S2831	ZF-Ecofluid M 02E	ZF-Ecofluid M 02D / 02E / 02L
16S1631, 8S1831, 16S1831, 8S1931, 16S1931, 16S2031, 8S2231, 16S2231, 16S2531, 16S2731	ZF-Ecofluid M 02E	ZF-Ecofluid M 02D / 02E / 02H / 02L
<b>Classic Line</b> 8S1350, 16S1650, 16S1650HD S6-1550, S6-820, S5-680, S6-680, S5-820	ZF-Ecofluid M 02A / 02B / 02E / 02H	ZF-Ecofluid M 02A / 02B / 02D / 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	ZF-Ecofluid M 02A / 02E	ZF-Ecofluid M 02A / 02B / 02D(3) / 02E / 02L
<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	ZF-Ecofluid M 02E	ZF-Ecofluid M 02D(3) / 02E / 02L
<b>Transmatic</b> (Joint oil circuit of basic transmission and converter lock-up clutches) 16S151WSK, 16S221WSK, 16S251WSK	02H(2)	02H(2)
<b>TC Tronic</b> (Separate oil circuit of basic transmission and converter lock-up clutches) Basic transmission: 12TC2540, 12TC2740	ZF-Ecofluid M 02A, 02E	ZF-Ecofluid M 02A / 02B / 02D(3) / 02E / 02L
Torque converter lock-up clutches: TC 2	02H(2) / ATF in accordance with TE-ML 14(7)	02H(2) / ATF in accordance with TE-ML 14(7)
<b>TC Tronic HD (Heavy Duty)</b> (Separate oil circuit of basic transmission and converter lock-up clutches) Basic transmission: 12AS3040TCIT	ZF-Ecofluid M 02E	ZF-Ecofluid M 02D(3) / 02E / 02L
Torque converter lock-up clutches: TCHD	ZF-Ecofluid M 02E	ZF-Ecofluid M 02E

## 1.3 Buses

Product groups buses	Lubricant classes	
	First fill (5)	Service fill (6)
<b>Ecolite</b> S5-42, S6-36, S6-36/2, 5S600BO	ZF-Ecofluid M 02A(1) / 02B(1) / 02E / 02G	ZF-Ecofluid M 02A(1) / 02B(1) / 02D / 02E / 02F / 02G / 02L
<b>Ecolite</b> 6S890, 6S700BO	ZF-Ecofluid M 02A(1) / 02B(1) / 02E / 02G	ZF-Ecofluid M 02A(1) / 02B(1) / 02D / 02E / 02G / 02H / 02L
<b>Ecolite without Intarder</b> S6-85, 6S1000BO, 6S1000BD, 6S1200BO, 6S1200BD, 6S1600BD, 6S1900BO, 6S1700BO	ZF-Ecofluid M 02A(1) / 02B(1) / 02E / 02H	ZF-Ecofluid M 02A(1) / 02B(1) / 02D / 02E / 02H / 02L
<b>Ecolite with Intarder</b> 6S1601BD, 6S1901BO, 6S1701BO	ZF-Ecofluid M 02E / 02H	ZF-Ecofluid M 02D / 02E / 02H / 02L
<b>Ecolite / AS Tronic lite</b> 6S710BO, 6AS710BO, 6S1010BO, 6AS1010BO	ZF-Ecofluid M 02E	ZF-Ecofluid M 02A(1) / 02B(1) / 02D / 02E / 02L
<b>AS Tronic lite</b> Hydraulic actuators	02K	02K
<b>Ecomid without Intarder</b> 8S180, 8S2100BO, 8S2100BD	ZF-Ecofluid M 02A / 02B / 02E / 02H	ZF-Ecofluid M 02A / 02B / 02D / 02E / 02H / 02L
<b>Ecomid with Intarder</b> 8S180IT, 8S2101BO, 8S2101BD	ZF-Ecofluid M 02E / 02H	ZF-Ecofluid M 02D / 02E / 02H / 02L
<b>Classic Line</b> S6-1550, S6-820, S5-680, S6-680, S5-820, 6S1380BD	ZF-Ecofluid M 02A / 02B / 02E / 02H	ZF-Ecofluid M 02A / 02B / 02D / 02E / 02H / 02L
<b>AS Tronic without Intarder</b> 10AS2300BO, 10AS2310B, 10AS2700BO, 12AS2300BO, 12AS2301, 12AS2700BO	ZF-Ecofluid M 02A / 02E	ZF-Ecofluid M 02A / 02B / 02D(3) / 02E / 02L
<b>AS Tronic with Intarder</b> 10AS2010BIT, 10AS2301IT, 10AS2310BIT, 12AS1601BO, 12AS2000BIT, 12AS2001BO, 12AS2300BIT, 12AS2301IT, 12AS2301BO, 12AS2701BO	ZF-Ecofluid M 02E	ZF-Ecofluid M 02D(3) / 02E / 02L

## 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(2) / ATF in accordance with TE-ML 14(7)
<b>Transmissions without ZF-Intarder</b> AS Tronic 1 (12AS1800, 16AS2200) Constant-mesh and synchronised transmissions for commercial vehicles	ZF-Ecofluid M 02A / 02B / 02D / 02E / 02H / 02L
<b>Transmissions with ZF-Intarder</b> AS Tronic 1 (12AS1800IT, 16AS2200IT) Constant-mesh and synchronised transmissions for commercial vehicles	ZF-Ecofluid M 02D / 02E / 02H / 02L

## 2. Oil change intervals

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

Lubricant class	02A	02B, 02F, 02H, 02G, ATF	02D, 02L	ZF-Ecofluid M 02E	02K
<b>Application</b>	<b>oil change interval (Oil change required, depending on what occurs first.)</b>				
- VAN transmissions	60,000 km	120,000 km	240,000 km	No oil change needed	---
- Off-road operation e.g. minefield application - Average speed up to 20 km/h	1.000 h 20.000 km 1 year		5.000 h 100.000 km 1 year	10.000 h 200.000 km 2 years (4)	---
- Outside temperatures > 40°C - Long-distance transport > 44 t - Short-distance transport - Tough operating conditions - Scheduled routes (buses) - Average speed from 20 to 60 km/h	60,000 km 1 year	120,000 km 1 year	240,000 km 2 years	360,000 km 3 years (4)	---
- Long-distance transport (trucks) - Long-distance coach journeys (buses) - Average speed as of 60 km/h	90,000 km 1 year	160,000 km 1 year	300,000 km 2 years	540,000 km 3 years (4)	---
- Hydraulic actuators	---	---	---	---	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 / 02D / 02E / 02F / 02G / 02K / 02L / ATF	75W / 75W-80 / 75W-85 / 75W-90 / ATF	above -40°C
02A / 02B	80W / 80W-85 / 80W-90	above -20°C
02A / 02B / 02H	40, 85W-90, 90	above 0 °C
	30	above -15°C
	20W (Transmatic only)	below -15°C
	20W (Torque converter lock-up clutches TC 2 only)	above -40°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 02A / 02B / 02H.
- (2) Lubricants marked (\*) on the following pages must not be used.
- (3) Oils belonging to the lubricant class 02D may only be used as of a total transmission mileage of 540,000 km / 3 years (long-distance/tourist traffic) or 360,000 km / 3 years (public transport/ delivery traffic/ scheduled transport service, extreme operations).
- (4) These intervals only apply to a hose breather in a dry room. If there is no hose breather in the dry room, the oil change intervals specified for lubricant class 02L apply.  
In the case of transmissions filled ex-works with lubricant class 02E, no oil change must be effected during the first two years as of initial registration. For this specific period, oil refills (e.g. retrofit, repair, etc.) are only permissible with the lubricant class 02E. 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: The lubricant classes listed are compulsory for initial fillings of transmissions as well as fillings during transmission break-in (under 7,500 km).
- (6) Service filling: The lubricant classes listed are compulsory for service oil changes according to the oil-change intervals mentioned under Section 2. These lubricant classes may generally only be used in broken-in transmissions (7,500 km and more). In the case of transmissions filled ex-works with lubricant class 02E, 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.

### Comments:

1. Instructions for transmission ventilation in accordance with Installation Guidelines 1203 765 010 and 1328 765 001 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

Gear oil of viscosity grades: SAE 80W / 80W-85 / 80W-90 / 85W-90 / 90  
(not applicable for Intarder)

#### Note:

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

#### Manufacturer (02A)

ADDINOL LUBE OIL GMBH, LEUNA/D  
 ADDINOL LUBE OIL GMBH, LEUNA/D  
 AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D  
 ARAL AG, BOCHUM/D  
 ARAL AG, BOCHUM/D  
 AVIA MINERALÖL-AG, MÜNCHEN/D  
 AVIA MINERALÖL-AG, MÜNCHEN/D  
 BAYWA AG, MÜNCHEN/D  
 BAYWA AG, MÜNCHEN/D  
 BELGIN MADENI YAGLAR, GEBZE KOCAELI/TR  
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH  
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH  
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CENTRO HANDELS GMBH & CO. KG, KARLSRUHE/D  
 CEPESA LUBRICANTS S.A., MADRID/E  
 CEPESA LUBRICANTS S.A., MADRID/E  
 CEPESA LUBRICANTS S.A., MADRID/E  
 CHEVRON BRASIL LUBRIFICANTES LTDA., RIO DE J./BR  
 CHEVRONTEXACO, GHENT/B  
 CHEVRONTEXACO, GHENT/B  
 CHEVRONTEXACO, GHENT/B  
 CLAAS KGAA MBH, HARSEWINKEL/D  
 CONDAT LUBRIFIANTS, CHASSE SUR RHONE/F  
 DE OLIEBRON B.V., ZWIJNDRECHT/NL  
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I  
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 FUCHS PETROLUB AG, MANNHEIM/D  
 GAZPROMNEFT-LUBRICANTS, LTD, MOSCOW/RUS  
 GAZPROMNEFT-LUBRICANTS, LTD, MOSCOW/RUS  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 HUILES BERLIET S.A., SAINT PRIEST/F  
 HUILES BERLIET S.A., SAINT PRIEST/F  
 IGOL FRANCE SA, AMIENS/F  
 INDIAN OIL CORPORATION LTD., MUMBAI/IND  
 INDIAN OIL CORPORATION LTD., MUMBAI/IND  
 INDIAN OIL CORPORATION LTD., MUMBAI/IND  
 INDIAN OIL CORPORATION LTD., MUMBAI/IND  
 IPIRANGA PRODUTOS DE PETRÓLEO S, RIO DE JANEIRO/BR  
 KOMPRESSOL-OEL VERKAUFS GMBH, KÖLN/D  
 KRAFFT S.L., ANDOAIN/E  
 KROON-OIL B.V., ALMELO/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 LIQUI MOLY GMBH, ULM/D  
 LIQUI MOLY GMBH, ULM/D  
 LLK FINLAND OY, HAMINA/FIN  
 LLK FINLAND OY, HAMINA/FIN  
 LUBRICANT OIL COMPANY, SINOPEC, BEIJING/CN

#### Trade name (02A)

ADDINOL GETRIEBEÖL GS 80W  
 ADDINOL GETRIEBEÖL GS 80W-90  
 AUTOL GETRIEBEÖL 80W-90  
 ARAL GETRIEBEOL EP 80W  
 ARAL GETRIEBEOL EP 85W-90  
 AVIA GEAR OIL MZ 80  
 AVIA GEAR OIL MZ 90  
 BAYWA MEHRZWECKGETRIEBEÖL SAE 80  
 TECTROL UNIGEAR 80  
 BELGEAR EP MB 80  
 EP-GETRIEBEÖL 80W-100  
 EP-GETRIEBEÖL 80W-68  
 EP-GETRIEBEÖL 80W90  
 BP ENERGEAR EP 80W  
 BP ENERGEAR EP 80W-90  
 OJS FRONTOL MEHRZWECK-GETRIEBEÖL MZ 80W-90  
 OJS FRONTOL MEHRZWECKGETRIEBEÖL MZ 80  
 MOTOREX GEAR OIL EP 80W  
 MOTOREX GEAR OIL EP 80W/90  
 CASTROL EP 80W  
 CASTROL EP 80W90  
 CENTRO MEHRZWECKGETRIEBEÖL SAE 80W  
 CEPESA TRANSMISIONES 80W-90  
 ERTOIL TRANSMISIONES 80W-90  
 ERTOIL TRANSMISIONES F SAE 80  
 UNIVERSAL EP SAE 80W  
 GEARTEX EP-A 80W  
 GEARTEX EP-A 80W-90  
 GEARTEX EP-A 85W-90  
 CLAAS AGRISHIFT 4SC 80W90  
 GEAR A (80W)  
 TOR MULTIPURPOSE GEAR OIL SAE 80W90  
 ROTRA HY 80W-90  
 ROTRA HY DB 80W  
 ESSO GEAR OIL GP-D 80W  
 MOBILUBE GX-A 80W  
 TITAN GEAR MP SAE 80W  
 TRANS KP-2 (SAE 80W85)  
 TRANS KP-4 (SAE 80W-90)  
 GULF GEAR XP 80W  
 GULF GEAR XP 80W-90  
 GULF GEAR XP 90  
 GULF GEAR XP MAX 90  
 RTO EP 80W  
 RTO EP 80W-90  
 TRANS EPA SAE80W-85W  
 SERVO GEAR ALT 90  
 SERVO GEAR HP 80W(T)  
 SERVO GEAR HP 80W-90 (T)  
 SERVO GEAR HP 90(T)  
 IPIRGEROL EP 80W  
 KOMPRESSOL-MEHRZWECK-GETRIEBEOEL SAE 80W-90  
 HIDROIL SAE 80W90  
 GEARLUBE GL-4 80W-90  
 Q8 T 35 SAE 80 W  
 Q8 T 35 SAE 80W-90  
 Q8 T 35 SAE 90  
 LIQUI MOLY GETRIEBEÖL GL 4 SAE 80W  
 LIQUI MOLY GETRIEBEÖL GL 4 SAE 85W-90  
 TEBOIL EP SAE 80W  
 TEBOIL EP SAE 80W-90  
 GREATWALL 80W/90 GL-4

MAZIVA ZAGREB D.O.O, ZAGREB/HR	INA TRANSMOL DB 80W
MAZIVA ZAGREB D.O.O, ZAGREB/HR	INA TRANSMOL HD 80W-90
MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D	MEGOL MEHRZWECKGETRIEBEOEL GL 4 SAE 80W
MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D	MEGOL MEHRZWECKGETRIEBEOEL GL 4 SAE 85W-90
MOL-LUB KFT., ALMÁSFÜZITŐ/H	MOL HYKOMOL 80W
MOTUL SA, AUBERVILLIERS CEDEX/F	MOTUL GEAR MB 80W
NESTE MARKKINOINTI OY, ESPOO/FIN	NESTE GEAR EP 80W-90
NEW PROCESS AG, TUBACH/CH	EP GEAROIL SAE 80W
OEL-BRACK AG, HUNZENSCHWIL/CH	MIDLAND SUPER M4 80W
OEST, GEORG MINERALÖLWERK, FREUDENSTADT/D	OEST MEHRZWECK-GETRIEBEÖL SAE 80W
OEST, GEORG MINERALÖLWERK, FREUDENSTADT/D	OEST MEHRZWECK-GETRIEBEÖL SAE 80W-90
OMV REFINING & MARKETING GMBH, WIEN/A	OMV GEAR OIL MP SAE 80W-85
OMV REFINING & MARKETING GMBH, WIEN/A	OMV GEAR OIL MP SAE 85W-90
OOO "LLK-INTERNATIONAL", MOSCOW/RUS	LUKOIL TRANSMISSION TM-4 SAE 80W-85
OOO "LLK-INTERNATIONAL", MOSCOW/RUS	LUKOIL TRANSMISSION TM-4 SAE 80W-90
OPET PETROLČULŮK A.S., IZMIR/TR	ORSA EP MT 80W
ORLEN OIL SP. Z O.O., KRAKOW/PL	HIPOL SUPER GL-4 80W/90
ORLEN OIL SP. Z O.O., KRAKOW/PL	PLATINUM GEAR GL-4 80W
ORLEN OIL SP. Z O.O., KRAKOW/PL	PLATINUM GEAR GL-4 80W/90
PAKELO MOTOR OIL S.R.L. SAN BONIFACIO (VR)/I	PAKELO GEAR OIL EP/FZ SAE 80W
PAKELO MOTOR OIL S.R.L. SAN BONIFACIO (VR)/I	PAKELO GEAR OIL EP/FZ SAE 80W/90
PANOLIN AG, MADETSWIL/CH	PANOLIN EP GEAR 80W
PANOLIN AG, MADETSWIL/CH	PANOLIN EP GEAR 80W/90
PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR	LUBRAX TRM-4 (SAE 80W)
PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR	LUBRAX TRM-4 SAE 90
PETROGAL S.A., LISBOA/P	GALP TRANSOIL 80W90
PETROGAL S.A., LISBOA/P	GALP TRANSOIL 80W
PRISTA OIL EAD, ROUSSE/BG	PRISTA EP 80W
PT PERTAMINA (PERSERO), JAKARTA/RI	RORED EP-A SAE80W-90
PT PERTAMINA (PERSERO), JAKARTA/RI	RORED EP-A SAE90
PTT PUBLIC COMPANY LIMITED, BANGKOK/TH	PTT EUROTRAN 341 SAE 80W-90
REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E	CS EP M SAE 80W
S-OIL CORPORATION, SEOUL/KOREA	DRAGON GEAR TM 80W
S.A.E.L., MADRID/E	GULF GEAR LUBRICANT 80W-85
SHELL BRASIL, BARRA DA TIJUCA - RIO DE JANEIRO/BR	SHELL SPIRAX G 80W (IN BRASIL ONLY)
SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB	SHELL SPIRAX MA 80W
SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D	SRS WIOLIN MEHRZWECK-GETRIEBEÖL 80
SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D	SRS WIOLIN MEHRZWECK-GETRIEBEÖL 80W-90
SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D	SRS WIOLIN MEHRZWECK-GETRIEBEÖL 90
TOTAL LUBRIFIANTS S.A., PARIS/F	FINA PONTONIC N 80W-85
TOTAL LUBRIFIANTS S.A., PARIS/F	FINA PONTONIC N 80W-90
TOTAL LUBRIFIANTS S.A., PARIS/F	TOTAL EP 80W-85
TOTAL LUBRIFIANTS S.A., PARIS/F	TOTAL EP 80W-90
TOTAL LUBRIFIANTS S.A., PARIS/F	TRANSELF EP 80W
TOTAL LUBRIFIANTS S.A., PARIS/F	TRANSELF EP 80W-90
UNIL OPAL, SAUMUR CEDEX/F	UNIL OPAL GEAR EP SAE 80W85W
YPF S.A., ENSAENADA/RA	HELICOIDAL M (80W)

**Lubricant class 02B**

Gear oil of viscosity grades: SAE 75W-80 / 75W-85 / 75W-90 / 80W / 80W-85 / 80W-90 / 85W-90 / 90 (not applicable for Intarder)

**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/D  
 AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D  
 ARAL AG, BOCHUM/D  
 ARAL AG, BOCHUM/D  
 AVIA MINERALÖL-AG, MÜNCHEN/D  
 AVIA MINERALÖL-AG, MÜNCHEN/D  
 BAYWA AG, MÜNCHEN/D  
 BAYWA AG, MÜNCHEN/D  
 BEHRAN OIL CO., TEHRAN/IR  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BP INTERNATIONAL, PANGBOURNE, READING/GB  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CEPESA LUBRICANTS S.A., MADRID/E  
 CHEVRONTEXACO, GHENT/B  
 CHEVRONTEXACO, GHENT/B  
 CHEVRONTEXACO, SYDNEY/AUS  
 CHEVRONTEXACO, SYDNEY/AUS  
 DAF TRUCKS N.V., EINDHOVEN/NL  
 DE OLIEBRON B.V., ZWIJNDRECHT/NL  
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I  
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 FALCON OIL COMPANY LTD., SHARJAH/UA  
 FINKE MINERALÖLWERK GMBH, VISSELHÖVEDE/D  
 FUCHS PETROLUB AG, MANNHEIM/D  
 GAZPROMNEFT-LUBRICANTS, LTD, MOSCOW/RUS  
 GENOL GMBH & CO., WIEN/A  
 GINOUVES GEORGES SA, LA FARLEDE/F  
 GINOUVES GEORGES SA, LA FARLEDE/F  
 GRUPA LOTOS SA, GDANSK/PL  
 GRUPA LOTOS SA, GDANSK/PL  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 HANDEL MIJ NOVIOL B.V., NIJMEGEN/NL  
 HINDUSTAN PETROLEUM CORP LTD., MUMBAI/IND  
 HUILES BERLIET S.A., SAINT PRIEST/F  
 HUILES BERLIET S.A., SAINT PRIEST/F  
 IGOL FRANCE SA, AMIENS/F  
 IGOL FRANCE SA, AMIENS/F  
 INDIAN OIL CORPORATION LTD., MUMBAI/IND  
 KROON-OIL B.V., ALMELO/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 LIQUI MOLY GMBH, ULM/D  
 MAZIVA ZAGREB D.O.O, ZAGREB/HR  
 MAZIVA ZAGREB D.O.O, ZAGREB/HR  
 MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D  
 MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D  
 MILLERS OILS LIMITED, BRIGHOUSE/GB  
 MINERALÖL-RAFFIN. DOLLBERGEN, UETZE-DOLLBERGEN/D  
 MINERALÖL-RAFFIN. DOLLBERGEN, UETZE-DOLLBERGEN/D  
 MINERALÖL-RAFFIN. DOLLBERGEN, UETZE-DOLLBERGEN/D  
 MORRIS LUBRICANTS, SHREWSBURY/GB  
 MORRIS LUBRICANTS, SHREWSBURY/GB

**Trade name (02B)**

ADDINOL GETRIEBEÖL GX 80 W 90 ML  
 AGIP ROTRA TRUCK GEAR S, SAE 75W-90  
 ARAL GETRIEBEOL EP PLUS 80W-90  
 ARAL GETRIEBEÖL SNA-E 75W-90  
 AVIA SYNTOGear FE 75W-90 EP  
 AVIA SYNTOGear FE 80W-90  
 BAYWA SUPER 8090 MC  
 TECTROL MULTIGEAR PLUS 8090  
 BEHRAN SAMAND OEM 1 80W-90  
 BP ENERGEGear DL 80W-90  
 BP ENERGEGear HT 80W-90  
 ENERGEGear SHX-M SAE 75W-90  
 GEAR ZX TP SAE80W/90 GL4/5  
 MOTOREX UNISYNT TX  
 CASTROL DYNADRIVE 80W-90  
 CASTROL DYNADRIVE PLUS 75W90  
 CASTROL MULTIDRIVE 80W90  
 CEPESA TRANSMISIONES EP FE+LD 75W-90  
 MULTIGEAR 80W-90  
 MULTIGEAR S 75W-90  
 CALTEX TRANSLUBE LD SAE 80W  
 CALTEX TRANSLUBE LD SAE 90  
 DAF SUPER 80W90  
 TOR UNIGEAR 75W90 LD  
 ROTRA LSX 75W-90  
 ROTRA TRUCK GEAR 80W-90  
 MOBILUBE 1 SHC 75W-90  
 MOBILUBE S 80W-90  
 FALCON SUPER EP GEAR OIL 80W/90 GL-4  
 AVIATICON FINKOGear SUPER 80W-90  
 TITAN SUPERGEAR MC 80W-90  
 G-TRUCK GL-4/GL-5 80W-90  
 GENOL GEAR-SYN 80W-90  
 YORK 793 80W90  
 YORK 896  
 TITANIS SUPER GL-5 75W90  
 TITANIS SUPER GL-5 80W/90  
 GULF GEAR MZ 80W  
 GULF GEAR MZ 80W-90  
 GULF GEAR MZ 85W-90  
 GULF GEAR MZ 90  
 GULF GEAR TDL 80W-90  
 GULF SYNGEAR 75W-90  
 KENDALL TOTAL DRIVE LINE ED 75W90  
 HP GEAR OIL EP 80W90 (MN)  
 RTO LONGEVIA P ECO 80W-90  
 RTO LONGEVIA TCX ECO 75W-90  
 GEAR M 80W90  
 SYNTHEGEAR SAE75W90  
 SERVO GEAR ALT 80W-90 (LL)  
 TRANSMISSION OIL SP 1011  
 Q8 GEAR OIL XG SAE 80W-90  
 Q8 TRANS XGS SAE 75W-90  
 HYPOID GETRIEBEÖL TDL SAE 80W-90  
 INA HIPENOL SHD 75W-90  
 INA HIPENOL TDL 80W-90  
 MEGOL GETRIEBEOEL TRUCK-SYNTH SAE 75W-90  
 MEGOL HYPOID-GETRIEBEOEL TDL SAE 80W-90  
 SYNTRAN FE  
 PENNASOL MEHRZWECK-GETRIEBEOEL GL 4 SAE 80W  
 PENNASOL MEHRZWECK-GETRIEBEOEL GL 4 SAE 85W90  
 PENNASOL MEHRZWECK-GETRIEBEOEL GL 4 SAE 90  
 LODEXOL 80W/90  
 LODEXOL SS 80W

MOTUL SA, AUBERVILLIERS CEDEX/F	MOTUL GEAR SYNT TDL 75W-90
NESTE MARKKINOINTI OY, ESPOO/FIN	NESTE HYPOIDI TDL S 75W-90
NEW PROCESS AG, TÜBACH/CH	GEAROIL SYNTH
OEST, GEORG MINERALÖLWERK, FREUDENSTADT/D	OEST MEHRZWECK-GETRIEBEÖL FE SAE 80W-90
OEST, GEORG MINERALÖLWERK, FREUDENSTADT/D	OEST SYNTH GETRIEBEÖL SAE 75W-90
OK NEDERLAND, STAPHORST/NL	OK UNI-CARDAN OIL LD-SAE 75W/90
OK NEDERLAND, STAPHORST/NL	QUINTOL TRANSMISSION OIL VS-45 SAE 75W/90
OMV REFINING & MARKETING GMBH, WIEN/A	OMV GEAR OIL XD-4 SAE 80W-85
OMV REFINING & MARKETING GMBH, WIEN/A	OMV UNIGEAR S SAE 75W-90
OMV REFINING & MARKETING GMBH, WIEN/A	OMV UNIGEAR SAE 80W-90
OOO "LLK-INTERNATIONAL", MOSCOW/RUS	LUKOIL TRANSMISSION TM-4 SAE 80W
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO GLOBAL GEAR CBS SAE 75W/85
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO GLOBAL GEAR SA SAE 80W
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO GLOBAL GEAR SA SAE 80W/85
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO GLOBAL GEAR SA SAE 80W/90
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO GLOBAL GEAR SA SAE 85W/90
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO GLOBAL MULTIGEAR TS SAE 75W/90
PANOLIN AG, MADETSWIL/CH	PANOLIN SUPER DUTY SYNTH 75W/90
PANOLIN AG, MADETSWIL/CH	PANOLIN TOPGEAR 80W/90
PETROGAL S.A., LISBOA/P	GALP TRANSVEX TDL 75W/90
REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E	CARTAGO FE LD 75W/90
S.A.E.L., MADRID/E	GULF SYNTHETIC GEAR LUBRICANT 75W-90
SHARJAH NATIONAL LUBE OIL CO. LTD., SHARJAH/UAE	SHARLU EP GEAR LUBE 80W/90 (GL-4)
SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB	SHELL SPIRAX GX 80W
SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB	SHELL SPIRAX GX 80W-90
SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB	SHELL SPIRAX MX 80W-90
SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D	SRS GETRIEBEFLUID SML 80W-90
SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D	SRS VIOLIN RSG 80
STATOIL LUBRICANTS, STOCKHOLM/S	GEARWAY G4 80W
STATOIL LUBRICANTS, STOCKHOLM/S	STATOIL GEARWAY G4 80W-90
STRUB + CO AG, REIDEN/CH	STRUB MULTIGEAR SGO 80W-90
STRUB + CO AG, REIDEN/CH	VULCOGEAR SYNT SGX 75W-90
TEDEX PRODUCTION SP.Z.O.O., TOMASZOW MAZOWIECKI/PL	TEDEX GEAR OIL SAE 80W
TEDEX PRODUCTION SP.Z.O.O., TOMASZOW MAZOWIECKI/PL	TEDEX SUPER GEAR OIL (3343M) SAE 80W/90
TOTAL LUBRIFIANTS S.A., PARIS/F	FINA PONTONIC FDL 75W-90
TOTAL LUBRIFIANTS S.A., PARIS/F	TOTAL TRANSMISSION MDL 80W-90
TOTAL LUBRIFIANTS S.A., PARIS/F	TOTAL TRANSMISSION RS FE 80W-90
TOTAL LUBRIFIANTS S.A., PARIS/F	TOTAL TRANSMISSION SYN FE 75W-90
TOTAL LUBRIFIANTS S.A., PARIS/F	TRANSELF SYNTHESIS FE 75W-90
TOTAL LUBRIFIANTS S.A., PARIS/F	TRANSELF UNIVERSAL FE 80W-90
VALVOLINE EUROPE, DORDRECHT/NL	SYNPOWER GEAR OIL TDL 75W-90
VIAL OIL LTD., MOSCOW/RUS	CONSOL TRANS LUX SAE 75W-90
VIAL OIL LTD., MOSCOW/RUS	CONSOL TRANS LUX SAE 80W-90
YACCO, ST PIERRE LES ELBEUF/F	BVX 1000
ZELLER + GMELIN GMBH & CO., EISLINGEN/D	DIVINOL GEAR OIL STO SAE 80W-90
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/D	ZF-ECOFUID X

**Lubricant class 02D**

Gear oil of viscosity grades: SAE 75W-80  
(semi-synthetic, synthetic, applicable for Intarder)

**Manufacturer (02D)**

ADOLF WÜRTH GMBH & CO. KG, KÜNZELSAU/D  
 AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D  
 ARAL AG, BOCHUM/D  
 AVIA MINERALÖL-AG, MÜNCHEN/D  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CEPESA LUBRICANTS S.A., MADRID/E  
 CHEVRONTEXACO, GHENT/B  
 COMERCIAL ROSHFRANS, S.A. DE C.V., MEXICO, D.F./MEX  
 DAF TRUCKS N.V., EINDHOVEN/NL  
 DE OLIEBRON B.V., ZWIJNDRECHT/NL  
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 FUCHS PETROLUB AG, MANNHEIM/D  
 GINOUVES GEORGES SA, LA FARLEDE/F  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 HANDEL MIJ NOVIOL B.V., NIJMEGEN/NL  
 HUILES BERLIET S.A., SAINT PRIEST/F  
 IGOL FRANCE SA, AMIENS/F  
 KROON-OIL B.V., ALMELO/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 LIQUI MOLY GMBH, ULM/D  
 MAZIVA ZAGREB D.O.O, ZAGREB/HR  
 MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D  
 MILLERS OILS LIMITED, BRIGHOUSE/GB  
 MOTUL SA, AUBERVILLIERS CEDEX/F  
 OEL-BRACK AG, HUNZENSCHWIL/CH  
 OK NEDERLAND, STAPHORST/NL  
 OMV REFINING & MARKETING GMBH, WIEN/A  
 PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I  
 PANOLIN AG, MADETSWIL/CH  
 PETROGAL S.A., LISBOA/P  
 PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL  
 PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL  
 RALLOY LUBRICANTES S.A. DE C.V., TIANGUISTENCO/MEX  
 REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E  
 S.A.E.L., MADRID/E  
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 UNIL OPAL, SAUMUR CEDEX/F  
 VALVOLINE EUROPE, DORDRECHT/NL  
 YACCO, ST PIERRE LES ELBEUF/F

**Trade name (02D)**

TRIATHLON GEAR TRAX SAE 75W-80  
 AUTOL GETRIEBEÖL VSL-4 75W-80  
 ARAL GETRIEBEÖL SNS SAE 75W-80  
 AVIA MULTIGEAR SL 75W-80W  
 PRISMA TF SAE 75W/80  
 CASTROL SYNTRANS Z SAE 75W-80  
 CEPESA TRANSMISIONES FE+LD 75W-80  
 MULTIGEAR MTF 75W-80  
 GEAR OIL EUROFLEET® SAE 75W-80  
 DAF PREMIUM 75W80W  
 TOR MT/LD GEAR OIL 75W80  
 ROTRA MULTIGEAR 75W-80  
 MOBILUBE XHP 75W-80  
 TITAN CYTRAC LD 75W-80  
 YORK 894 75W-80  
 GULF GEAR TX 75W-80  
 KENNOCO FLEET TRANSMISSION LUBE ED SAE 75W-80W  
 RTO LONGEVIA ECO 75W-80  
 TRANS GEAR ZF 75W80  
 GEAR SYNTH MT/LD 75W-80  
 Q8 T 60 SAE 75W-80  
 HOCHLEISTUNGS-GETRIEBEÖL GL 3+ SAE 75W-80  
 INA TRANSMOL HD 75W-80  
 MEGOL HOCHLEISTUNGSGETRIEBEOEL GL 4 SAE 75W-80  
 SYNTRAN LD 75W80  
 MOTUL MOTYLGEAR 75W-80  
 CRYPTO GEAR 75W-80  
 OK CARDAN OIL MT/LD SAE 75W/80  
 OMV GEAR OIL LDI SAE 75W-80  
 PAKELO GOLDENGear LD SAE 75W/80  
 TRANSGEAR 75W/80W  
 GALP TRANSVEX TDL ULTRA 75W80  
 TUTELA TRUCK GEAR FE (SAE 75W-80)  
 TUTELA TRUCK GEARLITE (SAE 75W-80)  
 NEW EXPERIENCE SYNTHETIC OIL 341  
 REPSOL CARTAGO FE LD 75W-80  
 GULF INTARDER GEAR OIL 75W-80  
 SHELL TRANSMISSION OIL ZFLD 75W-80  
 FINA PONTONIC TI 75W-80  
 TOTAL TRANSMISSION TI 75W-80  
 TRANSELF LD 75W-80  
 GERION LD 75W80  
 DURABLEND GEAR OIL GL-4 SAE 75W-80  
 BVX Z-500 75W-80

**Lubricant class 02E**

Gear oil of viscosity grades: SAE 75W-80  
(synthetic, applicable for Intarder)

**Manufacturer (02E)**

CASTROL INTERNATIONAL, PANGBOURNE READING/GB

HUILES BERLIET S.A., SAINT PRIEST/F

TOTAL LUBRIFIANTS S.A., PARIS/F

ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/D

**Trade name (02E)**

CASTROL SYNTRANS MAX 75W-80

RTO LONGEVIA BZV ECO 75W-80

TOTAL TRANSMISSION XS FE 75W-80

ZF-ECOFLUID M

**Lubricant class 02F****ATF****Manufacturer (02F)**

ADDINOL LUBE OIL GMBH, LEUNA/D  
 ADDINOL LUBE OIL GMBH, LEUNA/D  
 AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D  
 AMALIE PETROQUIMICA, SL, MADRID/E  
 BAYWA AG, MÜNCHEN/D  
 BAYWA AG, MÜNCHEN/D  
 BEHRAN OIL CO., TEHRAN/IR  
 BELGIN MADENI YAĞLAR, GEBZE KOCAELI/TR  
 BELGIN MADENI YAĞLAR, GEBZE KOCAELI/TR  
 DE OLIEBRON B.V., ZWIJNDRECHT/NL  
 ENGEN PETROLEUM LTD., CAPE TOWN/ZA  
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I  
 FUCHS PETROLUB AG, MANNHEIM/D  
 GAZPROMNEFT-LUBRICANTS, LTD, MOSCOW/RUS  
 GINOUVES GEORGES SA, LA FARLEDE/F  
 GRUPA LOTOS SA, GDANSK/PL  
 GRUPA LOTOS SA, GDANSK/PL  
 GRUPA LOTOS SA, GDANSK/PL  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 GULF OIL MARINE, LTD., WANCHAI/HK  
 INDIAN OIL CORPORATION LTD., MUMBAI/IND  
 KLORA GRES VE YAG SANAYI A.S., GEBZE/KOCAELI / TR  
 KROON-OIL B.V., ALMELO/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 LUBRICATION ENGINEERS, INC., FORT WORTH, TEXAS/USA  
 MAZIVA ZAGREB D.O.O, ZAGREB/HR  
 MOL-LUB KFT., ALMÁSFÜZITŐ/H  
 MOL-LUB KFT., ALMÁSFÜZITŐ/H  
 MORRIS LUBRICANTS, SHREWSBURY/GB  
 OK NEDERLAND, STAPHORST/NL  
 OK NEDERLAND, STAPHORST/NL  
 OMV REFINING & MARKETING GMBH, WIEN/A  
 ORLEN OIL SP. Z O.O., KRAKOW/PL  
 ORLEN OIL SP. Z O.O., KRAKOW/PL  
 PANOLIN AG, MADETSWIL/CH  
 PETRO-CANADA LUBRICANTS, MISSISSAUGA/CDN  
 PETROL OFISI A.S, MASLAK-ISTANBUL-TURKEY/TR  
 PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL  
 PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL  
 PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL  
 PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL  
 PETRONAS LUBRICANTS SPAIN S.L.U., CANOVELLAS/E  
 PETRONAS LUBRICANTS SPAIN S.L.U., CANOVELLAS/E  
 PETRONAS LUBRICANTS SPAIN S.L.U., CANOVELLAS/E  
 PETRONAS LUBRIFICANTES BRASIL S.A., CONTAGEM/BR  
 PRISTA OIL EAD, ROUSSE/BG  
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D  
 REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E  
 RS200 MOTOR OIL, LAKKOMA/GR  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D  
 STATOIL LUBRICANTS, STOCKHOLM/S  
 STATOIL LUBRICANTS, STOCKHOLM/S  
 SYNECO SPA, SAN GIULIANO MILANESE/I  
 TNK LUBRICANTS, MOSCOW/RUS  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 YACCO, ST PIERRE LES ELBEUF/F  
 ZELLER + GMELIN GMBH & CO., EISLINGEN/D

**Trade name (02F)**

ADDINOL ATF D II D  
 ADDINOL ATF D III  
 AGIP DEXRON III  
 AMALIE ATF DEXRON III  
 BAYWA ATF 3000  
 TECTROL ATF 3000  
 BEHRAN AUTOMATIC II  
 LUBEX ATF-II  
 LUBEX ATF-III M  
 TOR ATF DMM  
 ENGEN ATF III  
 AGIP DEXRON III  
 TITAN ATF 3000  
 G-BOX ATF DX II  
 YORK 886  
 LOTOS ATF II D  
 LOTOS ATF IID  
 LOTOS ATF SUPER III G  
 GULF ATF DX II  
 GULFSEA ATF III  
 SERVO TRANSDEX II  
 KLORA ATF II K  
 ALMIROL ATF  
 Q8 AUTO 14  
 Q8 AUTO 15  
 1150 TRANS-ALL EHP AUTOMATIC TRANSMISSION FLUID  
 INA ATF DX IID  
 MOL ATF  
 MOL ATF SYNT 3H  
 LIQUIMATIC SUPER ATF  
 OK TRANSMISSION OIL ATF-III  
 QUINTOL TRANSMISSION FLUID AQ-III  
 OMV ATF III  
 HIPOL ATF II D  
 HIPOL ATF III  
 PANOLIN ATF DEXRON III  
 HEAVY DUTY SYNTHETIC BLEND ATF  
 PO ATF-2  
 AKCELA TRANS XHD  
 AMBRA HYDRODEX 3  
 TUTELA CAR GI/E  
 TUTELA GI/A  
 ARBOR MTA  
 TUTELA GI / A  
 TUTELA GI / E  
 TUTELA GI/A PLUS  
 PRISTA ATF  
 RAVENOL DEXRON F III  
 REPSOL ATF 3  
 ATF DEXRON IID  
 SRS WIOLIN ATF D  
 STATOIL TRANSWAY DX II  
 TRANSWAY S DX III F  
 ATF PLUS  
 TNK ATF IID  
 FINAMATIC HP  
 TOTAL FLUIDE AT 42  
 YACCO ATF III  
 DIVINOL FLUID III G

**Lubricant class 02G**

Gear oil

Viscosity grade: SAE 75W (mineral oil-based, not applicable for Intarder)

**Manufacturer (02G)**

CHEVRONTEXACO, GHENT/B  
FUCHS PETROLUB AG, MANNHEIM/D  
FUCHS PETROLUB AG, MANNHEIM/D

**Trade name (02G)**

MULTIGEAR MTF LT  
TITAN EG 75 ZF  
TITAN GEAR ZF

**Lubricant class 02H**

Monograde engine oil of viscosity grades: SAE 30 / 40  
(mineral oil-based, applicable for Intarder)

**Note:**

1. In moderate climate zones, shift quality is impaired if viscosity grade SAE 40 is 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)**

ANDEROL ITALIA SRL, VITTUONE(MI)/I  
 ANDEROL ITALIA SRL, VITTUONE(MI)/I  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 HUILES BERLIET S.A., SAINT PRIEST/F  
 IPIRANGA PRODUTOS DE PETRÓLEO S, RIO DE JANEIRO/BR  
 NEW PROCESS AG, TUBACH/CH  
 PAKELO MOTOR OIL S.R.L., SAN BONIFACIO (VR)/I  
 PAKELO MOTOR OIL S.R.L., SAN BONIFACIO (VR)/I  
 PANOLIN AG, MADETSWIL/CH  
 PANOLIN AG, MADETSWIL/CH  
 S-OIL TOTAL LUBRICANTS CO. LTD., SEOUL/ROK  
 STATOIL LUBRICANTS, STOCKHOLM/S  
 STATOIL LUBRICANTS, STOCKHOLM/S  
 STRUB + CO AG, REIDEN/CH

**Trade name (02H)**

ANDEROL MYTHOS SAE 30  
 ANDEROL MYTHOS SAE 40 (\*)  
 MOTOREX MULTI DF 30  
 GULF SUPER DUTY LE 30  
 RTO PREXIMA 40 (\*)  
 IPIRANGA ULTRAGEAR 40  
 MONO DIESEL SAE 30  
 PAKELO PKO HD 4 SAE 30  
 PAKELO PKO HD 4 SAE 40 (\*)  
 PANOLIN EXTRA DIESEL 30  
 PANOLIN EXTRA DIESEL 40 (\*)  
 TOTAL RUBIA ZS 30  
 STATOIL DIESELWAY 30  
 STATOIL DIESELWAY 40 (\*)  
 TURBO HD SAE 30

**Lubricant class 02K**  
Hydraulic fluid

**Manufacturer (02K)**

DEUTSCHE PENTOSIN WERKE GMBH, WEDEL/D  
PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL

**Trade name (02K)**

PENTOSIN CHF 11S HYDRAULIC FLUID (70W-75)  
TUTELA GI/R

**Lubricant class 02L**

Gear oil of viscosity grades: SAE 75W-80  
(semi-synthetic, synthetic, applicable for Intarder)

**Manufacturer (02L)**

BAYWA AG, MÜNCHEN/D  
FUCHS PETROLUB AG, MANNHEIM/D

**Trade name (02L)**

TECTROL SYNTOGEAR MA 7580  
FUCHS TITAN CYTRAC MAN SYNTH 75W-80