



**Powershift transmissions, type Ecomat <sup>(1)</sup>,  
for buses, trucks, and special vehicles**

**List of lubricants TE-ML 14**

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The list of lubricants TE-ML 14, **edition 01.07.2026** replaces all previous editions. The current list can be requested from any ZF after-sales service center or accessed on the Internet under [www.aftermarket.zf.com/lubricants](http://www.aftermarket.zf.com/lubricants).

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

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 groups	Lubricant classes for service fills
<b>Ecomat (Oil sump temperatures below 100°C) <sup>(3)</sup></b>  HP500, HP590, HP600 HP502C, HP552C, HP592C, HP602C, HP504C, HP554C, HP594C, HP604C	<b>14A / 14B / 14C / 14E / 14F</b> <b>Automatic Transmission Fluids (ATF)</b>  Refer to the following pages for approved commercial products and oil change intervals  <b>Particularly recommended:</b> <b>ZF EcoFluid Life Plus <sup>(2)</sup></b>
<b>Ecomat (Oil sump temperatures below 105°C)</b>  HP502C, HP552C, HP592C, HP602C, HP504C, HP554C, HP594C, HP604C	<b>14E / 14F</b>  <b>Particularly recommended:</b> <b>ZF EcoFluid Life Plus <sup>(2)</sup></b>
<b>Ecomat HL <sup>(4)</sup></b>  HP900, HP902	<b>14E</b>  <b>Particularly recommended:</b> <b>ZF EcoFluid A Life</b>

## 2. Oil and filter change intervals

**Table 1: Oil and filter change intervals for Ecomat transmissions in buses:**

Lubricant class (See overleaf for approved trade products)	Oil and filter change interval [km/year] <sup>(5)</sup>
<b>14A</b>	30.000 km 1 x year
<b>14B</b>	60.000 km 1 x every 2 years
<b>14C</b>	120.000 km 1 x every 2 years
<b>14E</b>	150.000 km 1 x every 3 years
<b>14F</b>	150.000 km 1 x every 3 years

**Note:**

In case of initial oil change transition from an ATF of the lubricants category 14A or 14B to an ATF featuring extended oil change intervals, an interim oil change interval after < 60.000 km/max. 2 years is required.

**Table 2: Oil and filter change intervals for Ecomat transmissions in trucks, off-road equipment and special vehicles:**

Lubricant class (See overleaf for approved trade products)	Oil and filter change interval [h/year]	
	Normal operating conditions (6), (7), (9)	Tough operating conditions (6), (8), (9)
<b>14A</b>	400 h 1 x year	300 h 1 x year
<b>14B</b>	750 h 1 x year	500 h 1 x year
<b>14C</b>	1500 h 1 x year	1000 h 1 x year
<b>14E</b>	2000 h 1 x every 2 years	1500 h 1 x year
<b>14F</b>	2000 h 1 x every 2 years	1500 h 1 x year

**Note:**

In case of initial oil change transition from an ATF of the lubricants category 14A or 14B to an ATF featuring extended oil change intervals, an interim oil change interval after < 750h/max. 1 year is required.

**3. Explanation of footnotes and comments****Footnotes**

- (1) Automatic powershift transmissions, type EcoLife, also refer to List of lubricants TE-ML 20.
- (2) ZF EcoFluid Life Plus was specifically developed for use in commercial vehicle automatic powershift transmissions. The combination of synthetic basic oil on the basis of polyalphaolefin and a specially well balanced package of additives ensures excellent oxidation stability, a very constant friction coefficient, and high-quality protection of all transmission components. 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.
- (3) Transmissions with oil sump temperatures below 100°C.
- (4) Ecomat HL transmissions may only be operated with oils of lubricant class 14E.
- (5) Oil and filter change required, depending on what occurs first. Use only ZF original filter elements, ZF order no. 4139 298 936.
- (6) Oil and filter change required, depending on what occurs first. Use only ZF original filter elements, ZF order no. 4139 298 936. The operating instructions apply in the case of deviating information.
- (7) Standard application: Fire fighting vehicles, construction machinery, and dumpers with high mileage share.
- (8) Extreme applications: Refuse collection vehicles, vehicles featuring high share of off-road use (low mileage share, high level of shift efforts).
- (9) For military applications, the service intervals apply according to document 4237.700.014. Please contact your respectively responsible ZF-Services employee.

**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. Lubricant classes and approved trade products

### Lubricant class 14A

#### Manufacturer (14A)

ACPA, ALEXANDRIA/EG  
 ADDINOL LUBE OIL GMBH, LEUNA/DE  
 ADDINOL LUBE OIL GMBH, LEUNA/DE  
 ADDINOL LUBE OIL GMBH, LEUNA/DE  
 ADDINOL LUBE OIL GMBH, LEUNA/DE  
 ALEXANDRIA MINERAL OILS COMPANY, ALEXANDRIA/EG  
 ALEXANDRIA MINERAL OILS COMPANY, ALEXANDRIA/EG  
 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  
 BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR  
 BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR  
 BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CHEVRON LUBRICANTS, SAN RAMON, CA/US  
 CLASS KGAA MBH, HARSEWINKEL/DE  
 ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUŠEVAC/RS  
 ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUŠEVAC/RS  
 ENILIVE S.P.A., ROME/IT  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 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  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GULF OIL INTERNATIONAL, MUMBAI/IN  
 GÜZEL ENERJİ AKARYAKIT A.Ş., İZMİR/TR  
 GÜZEL ENERJİ AKARYAKIT A.Ş., İZMİR/TR  
 HUILES BERLIET S.A., SAINT-PIERRE/FR  
 IGOL FRANCE, AMIENS/FR  
 INA MAZIVA LTD., ZAGREB/HR  
 INA MAZIVA LTD., ZAGREB/HR  
 INA MAZIVA LTD., ZAGREB/HR  
 INGRAX INDUSTRIA E COMERCIO DE GRAXA S/A, DUQUE DE CAXIAS/BR  
 KOCAK PETROL URUNLERI SAN.VE TIC.LTD.STI, KOCAELI/TR  
 KOCAK PETROL URUNLERI SAN.VE TIC.LTD.STI, KOCAELI/TR  
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE  
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE  
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE  
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE  
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE  
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE  
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE  
 LIQUI MOLY GMBH, ULM/DE  
 LIQUI MOLY GMBH, ULM/DE  
 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  
 LUBREX FZC, SHARJAH/AE  
 LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT  
 LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT  
 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  
 MOTUL SA, AUBERVILLIERS/FR  
 MOTUL SA, AUBERVILLIERS/FR  
 OILFINO MINERALÖL GMBH, PRISDORF/DE  
 OILFINO MINERALÖL GMBH, PRISDORF/DE  
 ORLEN OIL SP. Z O.O., KRAKOW/PL  
 ORLEN OIL SP. Z O.O., KRAKOW/PL  
 ORLEN OIL SP. Z O.O., KRAKOW/PL  
 ORLEN S.A., GDANSK/PL  
 ORLEN S.A., GDANSK/PL  
 ORLEN S.A., GDANSK/PL  
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA  
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA  
 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  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY

#### Trade name (14A)

ACPA DEX-IIIH  
 ADDINOL ATF D III  
 ADDINOL ATF XN 2  
 ADDINOL ATF XN 3  
 ADDINOL ATF D II D  
 AMOC POWER  
 AMOC POWER PLUS  
 AVISTA PEER EVO ATF 3000  
 AVISTA PEER EVO ATF 2000  
 TECTROL ATF 3000  
 TECTROL ATF 4000  
 LUBEX ATF-II  
 LUBEX ATF-III M  
 BELGIN LUBEX ATF II  
 BELGIN LUBEX ATF-III M  
 CASTROL TRANSMAX ATF DX II MULTIVEHICLE  
 CASTROL TRANSMAX ATF DX III MULTIVEHICLE  
 TEXAMATIC 4291  
 AGRISHIFT ATF  
 ATF DII  
 VALVOLINE HEAVY DUTY ATF D-II  
 ENI ROTRA ATF II D  
 MOBIL ATF 220  
 MOBIL ATF 320  
 MOBIL ATF 220  
 MOBIL ATF 320  
 STATOIL TRANSWAY PS DX III  
 FUCHS TITAN ATF 3000  
 FUCHS TITAN ATF 4000  
 PENTOSIN ATF IIIH  
 FUCHS TITAN ATF 4000  
 GULF ATF DX III H  
 GULF ATF DX II  
 GULF ATF PC  
 ATF DEXRON III EXPERT  
 ATF DEXRON II EXPERT  
 RTO STARMATIC 3  
 IGOL ATF 430  
 INA ATF SUPER  
 INA ATF DX III  
 INA ATF DX IID  
 UNIMATIC D-II PLUS  
 SPEEDOL ATF DEXRON II  
 SPEEDOL ATF DEXRON S III  
 Q8 AUTO 20  
 Q8 AUTO 14  
 Q8 AUTO 14  
 Q8 AUTO 15  
 Q8 AUTO Z3D  
 LIEBHERR HYDRAULIC-GEAR ATF  
 LIQUI MOLY MARINE ATF  
 LIQUI MOLY ATF III  
 LIQUI MOLY ATF DEXRON IID  
 LIQUI MOLY TOP TEC ATF 1100  
 MEGOL HYDRAULIKOEL ATF DEXRON II D  
 MEGOL TRANSMISSION-FLUID ATF III  
 LUBREX DRIVEMAX III  
 LUKOIL ATF IID  
 LUKOIL ATF  
 CEPSSA ATF 70  
 CEPSSA ATF 2000S  
 MOL ATF 3G  
 MOL ATF  
 MOTUL DEXRON III  
 MOTUL DEXRON II D  
 OILFINO SPONTE ATF II  
 OILFINO SPONTE ATF III  
 HIPOL ATF II D  
 PLATINUM GEAR ATF III  
 ORLEN OIL GEAR ATF III  
 LOTOS ATF II D  
 LOTOS ATF II D  
 LOTOS ATF IIIG  
 DURADRIVE HD ATF  
 DURADRIVE HD ATF  
 GALP TRANSMATIC D II  
 GALP TRANSMATIC D III  
 ATF DX-3  
 TUTELA TRANSMISSION GI/A  
 TUTELA TRANSMISSION GI/E  
 ARBOR MTA  
 PETRONAS TUTELA ATF 500 HD  
 PETRONAS TUTELA ATF 500 HD  
 PETRONAS TUTELA GI/A

#### ZF approval number

ZF004823  
 ZF000699  
 ZF003702  
 ZF004910  
 ZF000698  
 ZF001702  
 ZF001703  
 ZF004774  
 ZF004775  
 ZF004798  
 ZF004799  
 ZF001031  
 ZF004892  
 ZF008331  
 ZF008387  
 ZF003358  
 ZF003368  
 ZF001574  
 ZF008242  
 ZF001187  
 ZF008168  
 ZF007174  
 ZF000033  
 ZF000043  
 ZF006029  
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 ZF000487  
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 ZF000783  
 ZF006024  
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 ZF001349  
 ZF012257  
 ZF012258  
 ZF008344  
 ZF002315  
 ZF000248  
 ZF000390  
 ZF000392  
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 ZF000079  
 ZF001388  
 ZF000083  
 ZF000176  
 ZF001991  
 ZF002269  
 ZF003726  
 ZF002119  
 ZF004927  
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 ZF002052  
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 ZF001992  
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 ZF006044  
 ZF012152  
 ZF010990  
 ZF001939  
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 ZF011155  
 ZF000362  
 ZF001043  
 ZF001093  
 ZF009442  
 ZF012265  
 ZF000331  
 ZF001425  
 ZF001667  
 ZF000308  
 ZF000481  
 ZF000486  
 ZF003635  
 ZF004757  
 ZF011958

**Manufacturer (14A)**

PHI OIL GMBH, ST. GEORGEN/AT  
 PRISTA OIL HOLDING EAD, RUSE/BG  
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES  
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES  
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES  
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES  
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES  
 ROLF LUBRICANTS GMBH, LEVERKUSEN/DE  
 ROLF LUBRICANTS GMBH, LEVERKUSEN/DE  
 ROWE MINERALÖLWERK GMBH, WORMS/DE  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SPECOL SP. Z O.O., CHORZOW/PL  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE  
 TEDEX S.A., LUBOCHNIA/PL  
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR  
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
 UNIL OPAL, SAUMUR/FR  
 UNIL OPAL, SAUMUR/FR  
 UNITED OIL COMPANY PTE LTD, SINGAPORE/SG  
 UNIX AUTO, BUDAPEST/HU  
 VALVOLINE EUROPE, DORDRECHT/NL  
 ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE

**Trade name (14A)**

ATF D3 SILVER  
 PRISTA ATF  
 REPSOL MATIC ATF  
 REPSOL MATIC ATF  
 REPSOL MATIC ATF  
 REPSOL AUTOMATOR ATF II  
 REPSOL AUTOMATOR ATF II  
 REPSOL AUTOMATOR ATF II  
 ROLF ATF IID  
 ROLF ATF IIIG  
 ROWE HIGHTEC ATF 8000  
 SHELL SPIRAX S2 ATF AX  
 HIPOSPEC ATF IID  
 SRS WIOLIN ATF D  
 SRS WIOLIN ATF III  
 TEDEX ATF II D  
 TEXSA ATF SUPER  
 MONTANA DYNAMIC ATF 2  
 ELF ELFMATIC G3  
 FLUIDMATIC D3  
 FLUIDMATIC D2  
 ELFMATIC D2  
 FLUIDMATIC D2  
 FLUIDMATIC AT 42  
 ELFMATIC D2  
 MATIC DX III  
 MATIC D  
 UNITED ATF MV 88  
 A.Z. MEISTERTEILE GETRIEBEÖL ATF III  
 VALVOLINE HEAVY DUTY ATF PRO  
 DIVINOL ATF SPEZIAL R

**ZF approval number**

ZF001003  
 ZF000355  
 ZF000022  
 ZF000222  
 ZF000224  
 ZF008283  
 ZF008284  
 ZF008285  
 ZF003371  
 ZF003372  
 ZF001938  
 ZF005982  
 ZF003354  
 ZF000438  
 ZF000439  
 ZF002043  
 ZF001207  
 ZF003664  
 ZF001699  
 ZF004886  
 ZF006067  
 ZF006068  
 ZF006069  
 ZF008239  
 ZF010594  
 ZF001010  
 ZF001071  
 ZF010099  
 ZF005996  
 ZF001873  
 ZF009444

**Lubricant class 14B**

(\*) Not approved for special transmissions with ratio i=5.6-0.83/1.0

<b>Manufacturer (14B)</b>	<b>Trade name (14B)</b>	<b>ZF approval number</b>
ADDINOL LUBE OIL GMBH, LEUNA/DE	ADDINOL ATF XN 5	ZF004911
BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR	BELGIN LUBEX MITRAS ATF HD III	ZF011973
CHEVRON LUBRICANTS, SAN RAMON, CA/US	DELO SYN ATF HD	ZF001664
CHEVRON LUBRICANTS, SAN RAMON, CA/US	HAVOLINE MULTI-VEHICLE ATF	ZF001714
CITGO PETROLEUM CORPORATION, HOUSTON/US	CITGO QUATRASYN SYNTHETIC TRANSMISSION FLUID	ZF003690
COMERCIAL ROSHFRANS, S.A. DE C.V., MEXICO, D.F./MX	ATF ALLPOWER MULTIVEHICULOS	ZF000385
ENILIVE S.P.A., ROME/IT	ENI ROTRA ATF II E	ZF000951
ENILIVE S.P.A., ROME/IT	ENI ROTRA ATF MULTI	ZF003452
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBIL ATF SHC (*)	ZF000039
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBIL ATF LT 71141	ZF000044
FUCHS PETROLUB SE, MANNHEIM/DE	FUCHS TITAN ATF 5005	ZF000717
FUCHS PETROLUB SE, MANNHEIM/DE	FUCHS TITAN ATF 1	ZF003602
FUCHS PETROLUB SE, MANNHEIM/DE	PENTOSIN ATF 1	ZF008334
HUILES BERLIET S.A., SAINT-PRIEST/FR	RTO STARMATIC S3	ZF008343
INA MAZIVA LTD., ZAGREB/HR	INA ATF EKSTRA (*)	ZF000410
INA MAZIVA LTD., ZAGREB/HR	INA ATF DX IIIH	ZF002314
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE	Q8 AUTO 15 ED	ZF002121
LAEMMLE CHEMICALS AG, MADETSWIL/CH	ROXOR ATF SUPER VTX	ZF011929
LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT	LUKOIL ATF SYNTH MULTI	ZF012149
MABANOL GMBH & CO. KG, HAMBURG/DE	MABANOL RADON GEAR ATF III MV	ZF004879
MOEVE CLIENT SOLUTIONS, S.A.U., MADRID/ES	CEPSA ATF 3000 S	ZF000386
MOL-LUB KFT, ALMASFUZITO/HU	MOL ATF SYNT (*)	ZF001155
MOL-LUB KFT, ALMASFUZITO/HU	MOL ATF SYNT 3H	ZF001895
MOL-LUB KFT, ALMASFUZITO/HU	MOL ATF SYNT	ZF004917
MORRIS LUBRICANTS, SHREWSBURY/GB	MULTITRANS ACV	ZF002268
MOTOREX AG, LANGENTHAL/CH	MOTOREX YORK ATF TP	ZF006045
ORLEN OIL SP. Z O.O., KRAKOW/PL	HIPOL ATF II E	ZF003623
PAKELO MOTOR OIL S.P.A. A S.U., SAN BONIFACIO (VR)/IT	ATF XT III FLUID	ZF001177
PAKELO MOTOR OIL S.P.A. A S.U., SAN BONIFACIO (VR)/IT	DX FLUID II TS (*)	ZF000376
PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA	DURADRIVE HD SYNTHETIC BLEND ATF	ZF004790
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	PETRONAS TUTELA ATF 700 HD	ZF003627
PHI OIL GMBH, ST. GEORGEN/AT	ATF D3 GOLD	ZF003507
RALOY LUBRICANTES, S.A. DE C.V., SANTIAGO TIANGUISTEN/MX	TRANSFLUID SYNTHETIC M-5	ZF001025
RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE	RAVENOL DEXRON III H	ZF001609
REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES	REPSOL MATIC III	ZF000318
REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES	REPSOL AUTOMATOR ATF III	ZF008281
ROWE MINERALÖLWERK GMBH, WORMS/DE	ROWE HIGHTEC ATF 9000	ZF001937
SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB	SPIRAX S4 ATF HDX	ZF001812
SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB	SHELL SPIRAX S6 ATF VM PLUS	ZF001371
SINOPEC LUBRICANT CO., LTD., BEIJING/CN	SINOPEC GREATWALL ATF III LD	ZF001360
SINOPEC LUBRICANT CO., LTD., BEIJING/CN	SINOPEC GREATWALL ATF HD S	ZF003346
SINOPEC LUBRICANT CO., LTD., BEIJING/CN	SINOPEC GREATWALL ATF HD	ZF003348
SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE	SRS VIOLIN ATF III MV	ZF002061
TEDEX S.A., LUBOCHNIA/PL	TEDEX SYNTHETIC ATF (*)	ZF001279
TEDEX S.A., LUBOCHNIA/PL	TEDEX ATF III	ZF001350
TONGYI PETROLEUM CHEMICAL CO., LTD., BEIJING/CN	LINGXIAN 6+ AUTOMATIC TRANSMISSION FLUID	ZF003377
TOTALENERGIES LUBRIFIANTS, NANTERRE/FR	FLUIDMATIC XLD FE	ZF008244
TOTALENERGIES LUBRIFIANTS, NANTERRE/FR	ELF ELFMATIC G3 SYN	ZF001582
UNITED OIL COMPANY PTE LTD, SINGAPORE/SG	UNITED MV 99	ZF003562
VALVOLINE EUROPE, DORDRECHT/NL	VALVOLINE HEAVY DUTY ATF PRO LD (*)	ZF001872
VALVOLINE GLOBAL PRODUCTS, LEXINGTON/US	SYN GARD™ ATF ES	ZF003710
VIBRA ENERGIA S.A., DUQUE DE CAXIAS/BR	LUBRAX ATF HD	ZF002120
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE	ZF LIFEGUARDFLUID 5	ZF001363

**Lubricant class 14C****Manufacturer (14C)**

ADDINOL LUBE OIL GMBH, LEUNA/DE  
 ALLEGHENY PETROLEUM, WILMERDING, PA/US  
 BASF SE, LUDWIGSHAFEN/DE  
 BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CASTROL LTD, LONDON/GB  
 CHAMPION CHEMICALS N.V., HEMIKSEM/BE  
 ENILIVE S.P.A., ROME/IT  
 EXOL LUBRICANTS LTD, WEDNESBURY/GB  
 EXXONMOBIL CORPORATION, HOUSTON, TX/US  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 FUCHS PETROLUB SE, MANNHEIM/DE  
 GULF WESTERN OIL (AUST) PTY LTD, ST MARYS/AU  
 H. BANTLEON GMBH / GESELLS. D. AVIA, ULM/DE  
 HI-TEC OILS, SMITHFIELD/AU  
 JOHN DEERE, MOLINE, ILLINOIS/US  
 LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT  
 LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT  
 MOEVE CLIENT SOLUTIONS, S.A.U., MADRID/ES  
 MOTOREX AG, LANGENTHAL/CH  
 MOTOREX AG, LANGENTHAL/CH  
 MOTUL SA, AUBERVILLIERS/FR  
 PAKELO MOTOR OIL S.P.A. A S.U., SAN BONIFACIO (VR)/IT  
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA  
 PETROGAL S.A., LISBOA/PT  
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES  
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES  
 S.I.R.A.L. SPA, NOLA NAPOLI/IT  
 SASOL ENERGY, JOHANNESBURG/ZA  
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
 TEDEX S.A., LUBOCHNIA/PL  
 TONGYI PETROLEUM CHEMICAL CO., LTD., BEIJING/CN  
 WOLF OIL CORPORATION N.V., HEMIKSEM/BE

**Trade name (14C)**

ADDINOL ATF XN HD  
 ALTRA SHL EXTENDED DRAIN ZF 20C  
 EMGARD 2805  
 BELGIN LUBEX MITRAS ATF SYN ULTRA  
 CASTROL TRANSYND  
 CASTROL TRANSMAX ATF Z  
 TES-295 SYN TRANSMISSION FLUID  
 CHAMPION OEM SPECIFIC MULTI VEHICLE ATF HD-LD  
 ENI ROTRA ATF HD PLUS  
 AUTOTRANS ELC  
 MOBIL DELVAC 1 ATF  
 TRANSWAY ATF ULTRA  
 FUCHS TITAN ATF 5500  
 SYN-TS® ZFV  
 AVILUB FLUID ATZ 295  
 MULTITRANS PLUS ATF  
 HD SYNTHETIC TRANSMISSION FLUID  
 LUKOIL ATF SYNTH MN Z3  
 TEBOil FLUID ES-MAX  
 CEP SA ATF 4000 S  
 YORK 886  
 MOTOREX\_YORK ATF VZ  
 MOTUL ATF HD  
 ATF XT III FLUID PLUS  
 DURADRIVE HD LONG DRAIN ATF  
 GALP TRANSMATIC Z  
 TUTELA ATF 900 HD  
 REPSOL MATIC SINTETICO  
 REPSOL AUTOMATOR ATF 14C  
 SIROIL ATF MAXIMUM  
 SYN TRANSMISSION OIL VI  
 SINOPEC GREATWALL SYNTHETIC ATF HD  
 SINOPEC GREATWALL FULLY SYNTHETIC ATF HD S  
 TEDEX ATF SYNTHETIC (S)  
 LINGXIAN 10+ AUTOMATIC TRANSMISSION FLUID  
 WOLF OFFICIALTECH MULTI VEHICLE ATF HD-LD

**ZF approval number**

ZF004913  
 ZF001756  
 ZF003370  
 ZF008386  
 ZF000226  
 ZF002158  
 ZF002298  
 ZF007147  
 ZF012234  
 ZF001685  
 ZF001827  
 ZF001330  
 ZF001797  
 ZF004900  
 ZF002288  
 ZF001669  
 ZF004851  
 ZF009451  
 ZF012153  
 ZF006058  
 ZF004907  
 ZF006107  
 ZF003587  
 ZF001748  
 ZF004791  
 ZF001893  
 ZF005936  
 ZF003586  
 ZF008282  
 ZF003709  
 ZF001091  
 ZF003347  
 ZF003345  
 ZF002213  
 ZF003378  
 ZF006128

Lubricant class 14E

Manufacturer (14E)	Trade name (14E)	ZF approval number
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	TUTELA TRANSMISSION ATF 120	ZF000053
SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB	SHELL SPIRAX S6 ATF ZM	ZF006080
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE	ZF ECOFLUID A LIFE	ZF001671



**Lubricant class 14F****Manufacturer (14F)**

PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY  
TOTALENERGIES LUBRIFIANTS, NANTERRE/FR  
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

**Trade name (14F)**

TUTELA ATF 360  
FLUIDMATIC HD XLD  
ZF ECOFLUID LIFE PLUS

**ZF approval number**

ZF010825  
ZF011911  
ZF001719