



**Powershift transmissions, type Ecomat ⁽¹⁾,
for buses, trucks, and special vehicles**

List of lubricants TE-ML 14

Table of contents	Page
1. Approved lubricant classes	1
Table 1: Oil and filter change intervals for Ecomat transmissions in buses:	2
Table 2: Oil and filter change intervals for Ecomat transmissions in trucks, off-road equipment and special vehicles:	2
2. Explanation of footnotes and comments	3
3. Lubricant classes and approved trade products	4

1. Approved lubricant classes

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

The list of lubricants TE-ML 14, **edition 01.07.2015** 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.

ZF Friedrichshafen AG
D-88038 Friedrichshafen
phone: + 49 7541 77 7461
email: lubricant4@zf.com

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] ⁽⁵⁾
14A	30.000 km 1 x year
14B	60.000 km 1 x every 2 years
14C	120.000 km 1 x every 2 years
14E	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)
14A	400 h 1 x year	300 h 1 x year
14B	750 h 1 x year	500 h 1 x year
14C	1500 h 1 x year	1000 h 1 x year
14E	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.

2. Explanation of footnotes and comments

Footnotes

- (1) Automatic powershift transmissions, type EcoLife, also refer to List of lubricants TE-ML 20.
- (2) The fully synthetic ATF ZF-Ecofluid A Life was specially developed for use in automatic powershift transmissions installed in CVs. 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 2 plus- and Ecomat 4- transmissions with oil sump temperatures above 100°C may only be operated with fluids from the 14E lubricants category. Always use fluids according to 14E in borderline cases or in the case of uncertainty with reference to transmission operation temperature.
- (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.

3. Lubricant classes and approved trade products

Lubricant class 14A

Manufacturer (14A)

"RS200 MOTOR OIL" PAPANTOIU S.A., LAKKOMA/GR
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 ALEXANDRIA MINERAL OILS COMPANY, ALEXANDRIA/EG
 ALEXANDRIA MINERAL OILS COMPANY, ALEXANDRIA/EG
 AMALIE PETROQUIMICA, MADRID/ES
 AMALIE PETROQUIMICA, MADRID/ES
 ARAL AG, BOCHUM/DE
 ARAL AG, BOCHUM/DE
 BAYWA AG MÜNCHEN, MÜNCHEN/DE
 BAYWA AG MÜNCHEN, MÜNCHEN/DE
 BELGIN MADENI YAĞLAR TIC. VE SAN. A.S., KOCAELI/TR
 BP PLC., LONDON/GB
 BP PLC., LONDON/GB
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CEPSA COMERCIAL PETRÓLEO, MADRID/ES
 CEPSA COMERCIAL PETRÓLEO, MADRID/ES
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 DE OLIEBRON BV, ZWIJNDRECHT/NL
 DEUTSCHE PENTOSIN WERKE GMBH, WEDEL/DE
 ENI S.P.A., ROME/IT
 ENI S.P.A., ROME/IT
 EUROL B.V., NJIVERDAL/NL
 EXXONMOBIL CORPORATION, FAIRFAX, VA/US
 EXXONMOBIL CORPORATION, FAIRFAX, VA/US
 FABRIKA MAZIVA FAM AD, KRUŠEVAC/RS
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GRUPA LOTOS S.A., GDANSK/PL
 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
 HARMS MINERALÖLE, PRISDORF/DE
 HARMS MINERALÖLE, PRISDORF/DE
 HUILES BERLIET S.A., SAINT-PIERRE/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 INTERNATIONAL LUBRICANT, ANTWERP/NL
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 MOL-LUB KFT, ALMASFUZITO/HU
 MOL-LUB KFT, ALMASFUZITO/HU
 MOTUL SA, AUBERVILLIERS/FR
 MOTUL SA, AUBERVILLIERS/FR
 OMV PETROL OFISI A.S., ISTANBUL/TR
 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
 PETROGAL S.A., LISBOA/PT
 PETROGAL S.A., LISBOA/PT
 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
 PHI OIL GMBH, ST. GEORGEN/AT
 PRISTA OIL HOLDING EAD, RUSE/BG
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 RN-LUBRICANTS, LLC, MOSCOW/RU
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 STATOIL LUBRICANTS, STOCKHOLM/SE
 TARIMSAN TARIM SAN. VE TIC. A.S. KOCAELI/TR
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR

Trade name (14A)

ATF D-IIIG
 ADDINOL ATF D II D
 ADDINOL ATF D III
 AMOC POWER
 AMOC POWER PLUS
 ATF DEXRON III
 ATF DEXRON II
 ARAL GETRIEBEÖL ATF 55
 ARAL GETRIEBEÖL ATF 22
 TECTROL ATF 4000
 TECTROL ATF 3000
 LUBEX ATF-II
 BP AUTRAN DX III
 BP AUTRAN MBX
 ATF SUPER
 CASTROL TRANSMAX DEX III MULTIVEHICLE
 CASTROL ATF DEX II MULTIVEHICLE
 CEPSA ATF 70
 CEPSA ATF 2000 S
 TEXAMATIC 4291
 TOR ATF DMM
 PENTOSIN ATF IIIH
 AGIP ATF II D
 AGIP DEXRON III
 EUROL ATF IIIF
 MOBIL ATF 220
 MOBIL ATF 320
 ATF DII
 FUCHS TITAN ATF 3000
 FUCHS TITAN ATF 4000
 G-BOX ATF DX II
 LOTOS ATF II D
 LOTOS ATF II D
 LOTOS ATF IIIG
 GULF ATF DX III H
 GULF ATF DX II
 GULF ATF PC
 OILFINO SPONTE ATF II
 OILFINO SPONTE ATF III
 RTO STARMATIC 3
 INA ATF SUPER
 INA ATF DX III
 INA ATF DX IID
 UNIMATIC D-II PLUS
 SPEEDOL ATF DEXRON II
 ATF DEXRON S III
 Q8 AUTO 15
 Q8 AUTO 20
 Q8 AUTO 14
 MOL ATF 3G
 MOL ATF
 MOTUL DEXRON III
 MOTUL DEXRON II D
 ATF DX-3
 OMV ATF D II
 OMV ATF III
 LUKOIL ATF
 LUKOIL ATF IID
 LUKOIL ATF III
 HIPOL ATF II D
 GALP TRANSMATIC D II
 GALP TRANSMATIC D III
 TUTELA TRANSMISSION GI/A
 TUTELA TRANSMISSION STARFLUID
 TUTELA TRANSMISSION GI/E
 AKROS MATIC
 ARBOR MTA
 TUTELA TRANSMISSION STARFLUID HD-ED
 ATF D3 SILVER
 PRISTA ATF
 RAVENOL DEXRON F III
 REPSOL MATIC ATF
 REPSOL MATIC ATF
 REPSOL MATIC ATF
 TNK ATF IID
 SHELL SPIRAX S2 ATF AX
 SRS WIOLIN ATF D
 SRS WIOLIN ATF III
 STATOIL TRANSWAY PS DX III
 TARMOND ATF II
 TEXSA ATF SUPER
 ELF ELFMATIC G3
 GULF ATF HIGH TECH
 TOTAL FLUIDE AT 42

ZF approval number

ZF000415
 ZF000698
 ZF000699
 ZF001702
 ZF001703
 ZF001121
 ZF001128
 ZF000146
 ZF000147
 ZF001166
 ZF001204
 ZF001031
 ZF000194
 ZF000196
 ZF000593
 ZF000220
 ZF000223
 ZF000473
 ZF000670
 ZF001574
 ZF001023
 ZF000783
 ZF000925
 ZF000927
 ZF000387
 ZF000033
 ZF000043
 ZF001187
 ZF000720
 ZF000728
 ZF000240
 ZF000362
 ZF001043
 ZF001093
 ZF000078
 ZF001099
 ZF001349
 ZF000736
 ZF000737
 ZF001259
 ZF000248
 ZF000390
 ZF000392
 ZF000079
 ZF000979
 ZF001388
 ZF000082
 ZF000083
 ZF000176
 ZF001179
 ZF001251
 ZF001008
 ZF001104
 ZF001667
 ZF000972
 ZF000987
 ZF001146
 ZF001759
 ZF001760
 ZF000081
 ZF000331
 ZF001425
 ZF000308
 ZF000309
 ZF000481
 ZF000485
 ZF000486
 ZF000992
 ZF001003
 ZF000355
 ZF001112
 ZF000022
 ZF000222
 ZF000224
 ZF001092
 ZF000374
 ZF000438
 ZF000439
 ZF000487
 ZF000408
 ZF001207
 ZF001152
 ZF001257
 ZF001581

Manufacturer (14A)

TOTAL LUBRIFIANTS S.A., NANTERRE/FR
TOTAL LUBRIFIANTS S.A., NANTERRE/FR
TOTAL LUBRIFIANTS S.A., NANTERRE/FR
TOTAL LUBRIFIANTS S.A., NANTERRE/FR
TOTAL LUBRIFIANTS S.A., NANTERRE/FR
UNIL OPAL, SAUMUR/FR
UNIL OPAL, SAUMUR/FR
VALVOLINE EMEA, DORDRECHT/NL
YACCO SAS, ST PIERRE LES ELBEUF/FR
YORK LUBRICANTS - GINOUVES SAS, LA GARDE/FR

Trade name (14A)

TOTAL FLUIDE G3
TOTAL FLUIDE II D
TOTAL FLUIDE II D
TOTAL FLUIDE II D
TOTAL FLUIDE II D
MATIC DX III
MATIC D
ATF TYPE D
ATF III
YORK 787

ZF approval number

ZF001663
ZF001668
ZF001723
ZF001724
ZF001725
ZF001010
ZF001071
ZF000687
ZF001610
ZF000597

Lubricant class 14B(*) Not approved for special transmissions with ratio $i=5.6-0.83/1.0$ **Manufacturer (14B)**

ADDINOL LUBE OIL GMBH, LEUNA/DE
 AVIA MINERALÖL-AG, MÜNCHEN/DE
 CEPESA COMERCIAL PETRÓLEO, 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
 COMERCIAL ROSHFRANS, S.A. DE C.V., MEXICO, D.F./MX
 DEUTSCHE PENTOSIN WERKE GMBH, WEDEL/DE
 EXXONMOBIL CORPORATION, FAIRFAX, VA/US
 EXXONMOBIL CORPORATION, FAIRFAX, VA/US
 FUCHS PETROLUB SE, MANNHEIM/DE
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GRUPA LOTOS S.A., GDANSK/PL
 HUILES BERLIET S.A., SAINT-PRIEST/FR
 IGOL FRANCE, AMIENS/FR
 INA MAZIVA LTD., ZAGREB/HR
 IPIRANGA PRODUTOS DE PETROLEO SA, RIO DE JANEIRO/BR
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 LUBRICATION ENGINEERS, INC., FORT WORTH, TEXAS/US
 MOL-LUB KFT, ALMASFUZITO/HU
 MOL-LUB KFT, ALMASFUZITO/HU
 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
 PAKELO MOTOR OIL, SAN BONIFACIO (VR)/IT
 PAKELO MOTOR OIL, SAN BONIFACIO (VR)/IT
 PAKELO MOTOR OIL, SAN BONIFACIO (VR)/IT
 PANOLIN AG, MADETSWIL/CH
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 RALOY LUBRICANTES, S.A. DE C.V., SANTIAGO TIANGUISTEN/MX
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A. MADRID/ES
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A. MADRID/ES
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 STATOIL LUBRICANTS, STOCKHOLM/SE
 TEDEX S.A., WARSZAWA/PL
 TEDEX S.A., WARSZAWA/PL
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

Trade name (14B)

ADDINOL ATF D II E (*)
 AVIA FLUID ATF 92 S (*)
 CEPESA ATF 3000 S
 HAVOLINE ATF MERCON V
 SYNTHETIC AUTOMATIC TRANSMISSION FLUID HEAVY DUTY
 DELO SYN ATF HD
 HAVOLINE MULTI-VEHICLE ATF
 ATF ALLPOWER MULTIVEHICULOS
 PENTOSIN ATF 1
 MOBIL ATF SHC (*)
 MOBIL ATF LT 71141
 FUCHS TITAN ATF 5005
 G-BOX ATF DX III
 LOTOS ATF SUPER III G
 RTO STARMATIC S3
 ATF 700
 INA ATF EKSTRA (*)
 ISAMATIC V
 Q8 AUTO 15 ED
 LE 1150
 MOL ATF SYNT 3H
 MOL ATF SYNT (*)
 OMV ATF S (*)
 OMV ATF Z2
 LUKOIL ATF SYNTH HD
 LUKOIL ATF SYNTH MULTI
 LUKOIL ATF S (*)
 HIPOL ATF II E (*)
 AUXON II E
 DX FLUID II TS (*)
 ATF XT III FLUID
 PANOLIN ATF SUPER VTX
 HEAVY DUTY SYNTHETIC BLEND ATF
 TUTELA TRANSMISSION STARFLUID PS
 TUTELA TRANSMISSION ATF 90
 TRANSFLUID SYNTHETIC M-5
 RAVENOL DEXRON III H
 REPSOL MATIC III
 REPSOL MATIC LD ATF
 SHELL SPIRAX S6 ATF VM PLUS
 SHELL SPIRAX S6 ATF VM
 SPIRAX S4 ATF HDX
 SINOPEC GREATWALL ATF III LD
 TRANSWAY ATF EXTRA
 TEDEX SYNTHETIC ATF (*)
 TEDEX ATF III
 TOTAL FLUIDE XLD FE
 TOTAL FLUIDMATIC SYN
 ELF ELFMATIC G3 SYN
 ZF-LIFEGUARDFLUID 5

ZF approval number

ZF000697
 ZF001066
 ZF000386
 ZF000101
 ZF001219
 ZF001664
 ZF001714
 ZF000385
 ZF000734
 ZF000039
 ZF000044
 ZF000717
 ZF000241
 ZF000620
 ZF001579
 ZF001833
 ZF000410
 ZF000896
 ZF000071
 ZF001676
 ZF000626
 ZF001155
 ZF000575
 ZF000988
 ZF001125
 ZF001127
 ZF001782
 ZF000501
 ZF000048
 ZF000376
 ZF001177
 ZF001218
 ZF001236
 ZF000993
 ZF001599
 ZF001025
 ZF001609
 ZF000318
 ZF001751
 ZF001371
 ZF001463
 ZF001812
 ZF001360
 ZF001332
 ZF001279
 ZF001350
 ZF001464
 ZF001569
 ZF001582
 ZF001363

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

ALLEGHENY PETROLEUM, WILMERDING, PA/US
 AMSOIL, INC., SUPERIOR, WI/US
 ARAL AG, BOCHUM/DE
 BP PLC., LONDON/GB
 BP PLC., LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 EXOL LUBRICANTS LTD, WEDNESBURY/GB
 EXXONMOBIL CORPORATION, FAIRFAX, VA/US
 EXXONMOBIL CORPORATION, FAIRFAX, VA/US
 FUCHS PETROLUB SE, MANNHEIM/DE
 HI-TEC OILS, SMITHFIELD/AU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OY TEBOIL AB, HELSINKI/FI
 PAKELO MOTOR OIL, SAN BONIFACIO (VR)/IT
 PAKELO MOTOR OIL, SAN BONIFACIO (VR)/IT
 SASOL OIL, RANDBURG/ZA
 STATOIL LUBRICANTS, STOCKHOLM/SE

Trade name (14C)

ALTRA SHL EXTENDED DRAIN ZF 20C
 TORQUE-DRIVE SYNTHETIC ATF
 ARAL GETRIEBEÖL ATF LD
 BP AUTRAN LTF
 BP AUTRAN SYN 295
 CASTROL TRANSMAX Z
 CASTROL TRANSYND
 AUTOTRANS ELC
 MOBIL DELVAC SYNTHETIC ATF
 MOBIL DELVAC 1 ATF
 FUCHS TITAN ATF 5500
 MULTITRANS PLUS ATF
 LUKOIL ATF SYNTH MN Z3
 TEBOIL FLUID ES-MAX
 AUXON III PLUS
 ATF XT III FLUID PLUS
 SYN TRANSMISSION OIL VI
 TRANSWAY ATF ULTRA

ZF approval number

ZF001756
 ZF001841
 ZF000144
 ZF000195
 ZF000197
 ZF000221
 ZF000226
 ZF001685
 ZF001234
 ZF001827
 ZF001797
 ZF001669
 ZF001302
 ZF001726
 ZF001466
 ZF001748
 ZF001091
 ZF001330

Lubricant class 14E**Manufacturer (14E)**

PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

Trade name (14E)

TUTELA TRANSMISSION ATF 120
SHELL SPIRAX S6 ATF ZM
ZF ECOFLUID A LIFE

ZF approval number

ZF000053
ZF001483
ZF001671