



## Marine transmissions

## List of lubricants TE-ML 04

Product groups	Lubricant classes for service fills (1)
ZF 4 to ZF 115 with all derived variants M, A, IV, C, TS, ATS, IVTS	04D
ZF 220 to ZF 60500 with all derived variants A, V, IV, C, U, D, NR, NR2, NR2H, NR2B, TS, ATS, VTS, IVTS	04A / 04B / 04C
ZF 23560 to ZF 23860 with all derived variants NR, C, D	04B / 04C
ZFW 220 to ZFW 93100 with all derived variants C, NR, NC, DS, NR2H	04A / 04B / 04C
ZFW 93300 and ZFW 103100 with all derived variants	04E / 04F
BW 5 to BW 5300 with all derived variants	04A / 04B / 04C
BW 2356 to BW 2386	04B / 04C
HBW 35 to HBW 630, HSW 90 to HSW 110, HSW 125 to HSW 800 with all derived variants	04D
IRM 40 to IRM 50	04D
IRM 220 to IRM 350	04A / 04B / 04C
PPD, PPS	<b>Gear oils</b> of viscosity grade SAE 80W-90 (2) - API GL-5 and MIL-L-2105D or - MIL-PRF-2105E or - SAE J 2360

- (1) Refer to the following pages for approved commercial products.
- (2) All gear oils which satisfy the named specifications may be used.

A Multipurpose grease classified KP2K-20 acc. to DIN 51825 or ISO-L-XBCHB2 acc. to ISO 6743-9 must be used on greasing points (basic oil API Group 1, 2, 3 or 4, EP additives, lithium saponified, temperature use limits min. between -20 and +120° C, NLGI-Class 2).

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.

The list of lubricants TE-ML 04, <b>Edition 01.01.2010</b> replaces all previous editions. The current list can be requested from any ZF after-sales service center or accessed on the Internet under <a href="http://www.zf.com">www.zf.com</a> .	<b>ZF Friedrichshafen AG</b> D-88038 Friedrichshafen phone: + 49 7541 77 7181 fax: + 49 7541 77 7319	<b>ZF Marine GmbH</b> Ehlerstrasse 50 D-88046 Friedrichshafen
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**Lubricant class 04A**

Monograde engine oil (API CD/CE/CF-4/CF/CG-4/CH-4/CI-4/SF/SG/SH/SJ/SL or ACEA categories A/B/E)

Viscosity grade: SAE 30, also SAE 40 in hot countries or when oil sump temperatures are above +80°C

**Note:**

1. All mineral oil-based trade products which satisfy the above specifications may be used. There will be no product listing.
2. For transmissions which are classified according to DNV, fluids of this class 04A may not be used. Instead of this fluids according to classes 04B or 04C may be used.

**Lubricant class 04B****Monograde engine oils**

Viscosity grade: SAE 30, also SAE 40 in hot countries or when oil sump temperatures are above +80°C

**Manufacturer (04B)**

ADDINOL LUBE OIL GMBH, LEUNA/D  
 ADDINOL LUBE OIL GMBH, LEUNA/D  
 ANDEROL ITALIA SRL, VITTUONE(MI)/I  
 ANDEROL ITALIA SRL, VITTUONE(MI)/I  
 BAYWA AG, MÜNCHEN/D  
 BEHRAN OIL CO., TEHRAN/IR  
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH  
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CHEVRON BRASIL LTDA., RIO DE JANEIRO/BRAZIL  
 CHEVRONTExACO, GHENT/B  
 COMP.BRASIL. D. PETRO. IPIRANGA, RIO DE JANEIRO/BR  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 FUCHS PETROLUB AG, MANNHEIM/D  
 FUCHS PETROLUB AG, MANNHEIM/D  
 GINOUVES GEORGES SA, LA FARLEDE/F  
 GINOUVES GEORGES SA, LA FARLEDE/F  
 GULF OIL INTERNATIONAL, PITTSBURG/USA  
 HUILES BERLIET S.A., SAINT PRIEST/F  
 IGOL FRANCE SA, AMIENS/F  
 INA MAZIVA RIJEKA, RIJEKA/HR  
 INA MAZIVA RIJEKA, RIJEKA/HR  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 LLK FINLAND OY, HAMINA/FIN  
 LLK FINLAND OY, HAMINA/FIN  
 MAGNA INDUSTRIAL CO. LIMITED, HONG KONG/HK  
 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  
 PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR  
 PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR  
 S-OIL TOTAL LUBRICANTS CO. LTD., SEOUL/ROK  
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D  
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D  
 STATOIL LUBRICANTS, STOCKHOLM/S  
 STATOIL LUBRICANTS, STOCKHOLM/S  
 STATOIL LUBRICANTS, STOCKHOLM/S  
 STATOIL LUBRICANTS, STOCKHOLM/S  
 STRUB + CO AG, REIDEN/CH  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 TOTAL LUBRIFIANTS S.A., PARIS/F  
 TOTAL LUBRIFIANTS S.A., PARIS/F

**Trade name (04B)**

ADDINOL TURBO DIESEL MD 305 SAE 30  
 ADDINOL TURBO DIESEL MD 405 SAE 40  
 ANDEROL MYTHOS SAE 30  
 ANDEROL MYTHOS SAE 40  
 TECTROL HDC 30  
 BEHRAN TURBO DIESEL SAE 40  
 BLASOL 30  
 BLASOL 40  
 MOTOREX EXTRA SAE30  
 MOTOREX MULTI DF 30  
 CASTROL TECTION MONOGRADE 30  
 URSA TRANS SAE 40  
 URSA SUPER LA 40  
 IPIRANGA ULTRAGEAR 40  
 MOBIL DELVAC 1630 SAE 30  
 MOBIL DELVAC 1640 SAE 40  
 TITAN UNIVERSAL HD 30  
 TITAN UNIVERSAL HD 40  
 YORK 730 SAE 30  
 YORK 730 SAE 40  
 GULF SUPER DUTY LE 30  
 RTO PREXIMA 40  
 TRANS TURBO 4 MONO 30  
 INA GORGONELA S 30  
 INA SUPER 3 30  
 Q8 MOZART DP SAE 30  
 Q8 MOZART DP SAE 40  
 TEBOIL POWER D SAE 30  
 TEBOIL POWER D SAE 40  
 OMEGA 643 SAE 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  
 LUBRAX MD-400 SAE 30  
 LUBRAX MD-400 SAE 40  
 TOTAL RUBIA ZS 30  
 SHELL RIMULA R 3 +  
 SHELL RIMULA X 30  
 SRS REKORD 30  
 SRS REKORD 40  
 STATOIL DIESELWAY 30  
 STATOIL DIESELWAY 40  
 STATOIL MARWAY 1030  
 STATOIL MARWAY 1040  
 TURBO HD SAE 30  
 TOTAL DISOLA M 3015 SAE 30  
 TOTAL DISOLA M 4015 SAE 40  
 TOTAL RUBIA FP 40  
 TOTAL RUBIA S 30  
 TOTAL RUBIA S 40

**Lubricant class 04C****Multigrade engine oil**

Viscosity grades: SAE 5W-40 / 10W-40 / 15W-40

**Manufacturer (04C)**

ADDINOL LUBE OIL GMBH, LEUNA/D  
 AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D  
 AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D  
 CEPESA LUBRICANTS S.A., MADRID/E  
 CEPESA LUBRICANTS S.A., MADRID/E  
 CEPESA LUBRICANTS S.A., MADRID/E  
 CHEVRONTEXACO GLOBAL LUBRICANTS, SAN RAMON/USA  
 CHEVRONTEXACO GLOBAL LUBRICANTS, SAN RAMON/USA  
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA  
 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  
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL  
 MTU, FRIEDRICHSHAFEN/D  
 NOVA STILMOIL SPA, MODENA/I  
 PAKELO MOTOR OIL S.R.L. SAN BONIFACIO (VR)/I  
 PETRONAS LUBRICANTS BELGIUM NV, AARTSELAAR/B  
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB  
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB  
 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

**Trade name (04C)**

ADDINOL SUPER STAR MX 1547 SAE 15W-40  
 AGIP BLITUM T SAE 15W-40  
 AUTOL VALVE SHP SAE 15W-40  
 CEPESA DIESEL TURBO SHPD 15W-40  
 CEPESA EUROMAX 15W-40  
 CEPESA SUPER MULTIGRADO SHPD 15W-40  
 CALTEX DELO 400 MULTIGRADE SAE 15W-40  
 CHEVRON DELO 400 MULTIGRADE SAE 15W-40  
 AGIP SIGMA TURBO 15W-40  
 MOBIL DELVAC 1 SHC  
 MOBIL DELVAC XHP EXTRA 10W-40  
 Q8 T 400 SAE 15W-40  
 Q8 T 500 SAE 15W-40  
 Q8 T 710 SAE 15W-40  
 Q8 T 750 SAE 15W-40  
 POWER GUARD DEO SAE 15W-40  
 ORION SUPER PLUS 15W40  
 PAKELO PKO HD SUPER 4 SAE 15W/40  
 FORZA SAE 15W40  
 SHELL RIMULA R3 X 15W-40  
 SHELL RIMULA R4 L 15W-40  
 SHELL RIMULA X 15W-40  
 TOTAL CAPRANO TD 15W-40  
 TOTAL CAPRANO TDH 15W-40  
 TOTAL CAPRANO TDI 15W-40

## Lubricant class 04D

### Automatic Transmission Fluids (ATF)

#### Manufacturer (04D)

ACPA, ALEXANDRIA/E  
 ADDINOL LUBE OIL GMBH, LEUNA/D  
 ADDINOL LUBE OIL GMBH, LEUNA/D  
 ADDINOL LUBE OIL GMBH, LEUNA/D  
 AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D  
 AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D  
 ALEXANDRIA MINERAL OILS COMPANY, ALEXANDRIA/ET  
 ALEXANDRIA MINERAL OILS COMPANY, ALEXANDRIA/ET  
 AMALIE PETROQUIMICA, SL, MADRID/E  
 AMALIE PETROQUIMICA, SL, MADRID/E  
 ANATOLIA MADENI YAG SAN. TIC. LTD.STI., ANKARA/TR  
 ARAL AG, BOCHUM/D  
 ARAL AG, BOCHUM/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  
 BAYWA AG, MÜNCHEN/D  
 BEHRAN OIL CO., TEHRAN/IR  
 BEHRAN OIL CO., TEHRAN/IR  
 BELGIN MADENI YAGLAR, GEBZE KOCAELI/TR  
 BELGIN MADENI YAGLAR, GEBZE KOCAELI/TR  
 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  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 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  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
 CEPSA LUBRICANTS S.A., MADRID/E  
 CEPSA LUBRICANTS S.A., MADRID/E  
 CEPSA LUBRICANTS S.A., MADRID/E  
 CEPSA LUBRICANTS S.A., MADRID/E  
 CHEVRON BRASIL LTDA., RIO DE JANEIRO/BRAZIL  
 CHEVRON BRASIL LTDA., RIO DE JANEIRO/BRAZIL  
 CHEVRONTEXACO GLOBAL LUBRICANTS, SAN RAMON/USA  
 CHEVRONTEXACO GLOBAL LUBRICANTS, SAN RAMON/USA  
 CHEVRONTEXACO GLOBAL LUBRICANTS, SAN RAMON/USA  
 CHEVRONTEXACO GLOBAL LUBRICANTS, SAN RAMON/USA  
 CHEVRONTEXACO GLOBAL LUBRICANTS, SAN RAMON/USA  
 CHEVRONTEXACO GLOBAL LUBRICANTS, SAN RAMON/USA  
 CHEVRONTEXACO GLOBAL LUBRICANTS, SAN RAMON/USA  
 CHEVRONTEXACO GLOBAL LUBRICANTS, SAN RAMON/USA  
 CHEVRONTEXACO, GHENT/B  
 CHEVRONTEXACO, GHENT/B  
 CHEVRONTEXACO, GHENT/B  
 CHEVRONTEXACO, SYDNEY/AUS  
 CHEVRONTEXACO, SYDNEY/AUS  
 CITGO PETROLEUM, TULSA/USA  
 CITGO PETROLEUM, TULSA/USA  
 COGNIS DEUTSCHLAND GMBH, MONHEIM/D  
 COMERCIAL IMPORTADORA S.A. DE C.V., SANTA FE/MEX  
 COMP.BRASIL. D. PETRO. IPIRANGA, RIO DE JANEIRO/BR  
 CYCLON HELLAS S.A., MAROUSSI ATHENS/GR  
 DAF TRUCKS N.V., EINDHOVEN/NL  
 DE OLIEBRON B.V., ZWIJNDRECHT/NL  
 DE OLIEBRON B.V., ZWIJNDRECHT/NL  
 DEUTSCHE PENTOSIN WERKE GMBH, WEDEL/D

#### Trade name (04D)

ACPA ATF DEX IID  
 ADDINOL ATF D II D  
 ADDINOL ATF D II E  
 ADDINOL ATF D III  
 AGIP ATF D 309  
 AGIP DEXRON III  
 AMOC POWER (D-21611)  
 AMOC POWER PLUS  
 AMALIE ATF DEXRON II  
 AMALIE ATF DEXRON III  
 SUPER OIL ATF II  
 ARAL GETRIEBEOL ATF 22  
 ARAL GETRIEBEÖL ATF 55  
 ARAL GETRIEBEÖL ATF E-S  
 ARAL GETRIEBEÖL ATF LD  
 AVIA FLUID ATF 86  
 AVIA FLUID ATF 92 S  
 BAYWA ATF 3000  
 TECTROL ATF 3000  
 TECTROL ATF 4000  
 BEHRAN AUTOMATIC II  
 BEHRAN AUTOMATIC III  
 LUBEX ATF-II  
 LUBEX ATF-III M  
 ATF GM  
 BP AUTRAN DX III  
 BP AUTRAN LTF  
 BP AUTRAN MBX  
 BP AUTRAN SYN 295  
 ATF DEXRON III H  
 ATF TP  
 MOTOREX ATF II E SYNTHETIC  
 MOTOREX ATF SUPER  
 CASTROL ATF TQ DIII  
 CASTROL IMPORT MULTIVEHICLE ATF  
 CASTROL TQ DEXRON III  
 CASTROL TQ-D  
 CASTROL TQ-D (22256)  
 CASTROL TRANSMAX M (D22798)  
 CASTROL TRANSMAX Z  
 CASTROL TRANSYND  
 CEPSA ATF 2000 S  
 CEPSA ATF 3000 S  
 CEPSA ATF 70  
 ERTOIL TRANSMISIONES AUTOMATICAS D2  
 TEXAMATIC 7045E  
 TEXAMATIC B  
 CALTEX SYNTHETIC ATF HEAVY DUTY  
 CHEVRON AUTOMATIC TRANSMISSION FLUID MERCON V  
 CHEVRON MULTI-VEHICLE ATF  
 CHEVRON SYNTHETIC ATF HEAVY DUTY  
 TEXACO HAVOLINE ATF MERCON V  
 TEXACO HAVOLINE MULTI-VEHICLE ATF  
 TEXACO SYNTHETIC ATF HEAVY DUTY  
 TEXAMATIC 4291  
 TEXAMATIC 7045E  
 TEXAMATIC 9226  
 CALTEX TEXAMATIC 1322S  
 CALTEX TEXAMATIC 7045E  
 CITGO TRANSGARD® ATF, MERCON® V  
 CITGO TRANSGARD® MULTI-VEHICLE ATF  
 EMGARD ATF 2801  
 MULTI ATF PARA TODAS LAS MARCAS  
 ISAMATIC MERCON V  
 ATF TYPE D  
 DAF XTREME ATF  
 TOR ATF 289  
 TOR ATF DMM  
 PENTOSIN ATF 1

DEUTSCHE PENTOSIN WERKE GMBH, WEDEL/D	PENTOSIN ATF TYP 2 D
ENGEN PETROLEUM LTD., CAPE TOWN/ZA	ENGEN ATF III
ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I	AGIP ATF II D
ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I	AGIP DEXRON III
ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I	ATF II E
EUROL BV., NIJVERDAL/NL	EUROL ATF IIIF
EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA	ESSO ATF D 21065
EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA	ESSO ATF D2
EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA	ESSO ATF LT 71141
EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA	MOBIL 1 SYNTHETIC ATF
EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA	MOBIL ATF 220
EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA	MOBIL ATF 320
EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA	MOBIL ATF D 21065
EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA	MOBIL ATF LT 71141
EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA	MOBIL ATF SHC
FABRIKA MAZIVA FAM A.D, KRUEVAC/SRB	ATF D II SAE 75W
FUCHS PETROLUB AG, MANNHEIM/D	FUCHS TITAN ATF 5005
FUCHS PETROLUB AG, MANNHEIM/D	TITAN ATF 3000
FUCHS PETROLUB AG, MANNHEIM/D	TITAN ATF 3000 CHINA
FUCHS PETROLUB AG, MANNHEIM/D	TITAN ATF 4000
FUCHS PETROLUB AG, MANNHEIM/D	TITAN ATF 5000 SL
GAZPROMNEFT-ONPZ, OMSK/RUS	G-BOX ATF DX II
GB LUBRICANTS LTD., GATESHEAD/GB	GB ATF III
GENOL GMBH & CO., WIEN/A	GENOL ATF MULTIFLUID
GINOUVES GEORGES SA, LA FARLEDE/F	YORK 686
GINOUVES GEORGES SA, LA FARLEDE/F	YORK 687
GINOUVES GEORGES SA, LA FARLEDE/F	YORK 787
GINOUVES GEORGES SA, LA FARLEDE/F	YORK 886
GRUPA LOTOS SA, GDANSK/PL	LOTOS ATF II D
GRUPA LOTOS SA, GDANSK/PL	LOTOS ATF IID
GRUPA LOTOS SA, GDANSK/PL	LOTOS ATF III G
GRUPA LOTOS SA, GDANSK/PL	LOTOS ATF SUPER III G
GULF OIL INTERNATIONAL, PITTSBURG/USA	GULF ATF DX II
HANDEL MIJ NOVIOL B.V., NIJMEGEN/NL	KENDALL ATF DEXRON II D
HUILES BERLIET S.A., SAINT PRIEST/F	RTO STARMATIC
HUILES BERLIET S.A., SAINT PRIEST/F	RTO STARMATIC 3
HUILES BERLIET S.A., SAINT PRIEST/F	RTO STARMATIC S2
HYDROTEX, CARROLLTON, TEXAS/USA	HY-TORQUE Z (ATF)
IGOL FRANCE SA, AMIENS/F	ATF 430
INDIAN OIL CORPORATION LTD., MUMBAI/IND	SERVO TRANSDEX II
KLORA GRES VE YAG SANAYI A.S., GEBZE/KOCAELI / TR	KLORA ATF II K
KOCAK PETROL URUNLERI SAN LTD., KOCAELI/TR	SPEEDOL ATF DEXRON II
KRAFFT S.L., ANDOAIN/E	ATF D-21247 SAE 10W
KRAFFT S.L., ANDOAIN/E	ATF SYNTHETIC D3
KROON-OIL B.V., ALMELO/NL	ALMIROL ATF
KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL	Q8 AUTO 14
KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL	Q8 AUTO 14 SYNTHETIC
KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL	Q8 AUTO 15
KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL	Q8 AUTO 15 ED
KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL	Q8 AUTO 20
LIQUI MOLY GMBH, ULM/D	ATF III
LIQUI MOLY GMBH, ULM/D	LIQUI MOLY ATF DEXRON IID
LIQUI MOLY GMBH, ULM/D	TOP TEC ATF 1100
LLK FINLAND OY, HAMINA/FIN	TEBOIL FLUID ES-MAX
LUBRICANT OIL COMPANY, SINOPEC, BEIJING/CN	GW ATF-III LD
LUBRICANTES VENOCO INTERN. C.A. GUACARA/YV	VENOCO ATF MULTI - VEHICULO (75W)
LUBRICATION ENGINEERS, INC., FORT WORTH, TEXAS/USA	1150 TRANS-ALL EHP AUTOMATIC TRANSMISSION FLUID
MAZIVA ZAGREB D.O.O, ZAGREB/HR	INA ATF DX IID
MAZIVA ZAGREB D.O.O, ZAGREB/HR	INA ATF DX III
MAZIVA ZAGREB D.O.O, ZAGREB/HR	INA ATF EKSTRA
MAZIVA ZAGREB D.O.O, ZAGREB/HR	INA ATF SUPER
MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D	MEGOL HYDRAULIKOEL ATF DEXRON II D
MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D	MEGOL TRANSMISSION-FLUID ATF III
MOL-LUB KFT., ALMÁSFÜZITŐ/H	MOL ATF
MOL-LUB KFT., ALMÁSFÜZITŐ/H	MOL ATF 3G
MOL-LUB KFT., ALMÁSFÜZITŐ/H	MOL ATF SYNT
MOL-LUB KFT., ALMÁSFÜZITŐ/H	MOL ATF SYNT 3H
MORRIS LUBRICANTS, SHREWSBURY/GB	LIQUIMATIC D II
MORRIS LUBRICANTS, SHREWSBURY/GB	LIQUIMATIC SUPER ATF
MOTUL SA, AUBERVILLIERS CEDEX/F	MOTUL DEXRON II D
MOTUL SA, AUBERVILLIERS CEDEX/F	MOTUL DEXRON III
NACCO MATERIALS HANDLING BV, NIJMEGEN/NL	NACCO ATF IIIF
NESTE MARKKINOINTI OY, ESPOO/FIN	NESTE ATF-S
NEW PROCESS AG, TUBACH/CH	ATF SYNTH

OEL-BRACK AG, HUNZENSCHWIL/CH	MIDLAND ATF M3 PLUS
OK NEDERLAND, STAPHORST/NL	OK TRANSMISSION OIL ATF-III
OK NEDERLAND, STAPHORST/NL	QUINTOL TRANSMISSION FLUID AQ-III
OMV REFINING & MARKETING GMBH, WIEN/A	OMV ATF D II (D22427)
OMV REFINING & MARKETING GMBH, WIEN/A	OMV ATF III
OMV REFINING & MARKETING GMBH, WIEN/A	OMV ATF III
OMV REFINING & MARKETING GMBH, WIEN/A	OMV ATF Z2
OMV REFINING & MARKETING GMBH, WIEN/A	OMV ATF-S
OOO "LLK-INTERNATIONAL", MOSCOW/RUS	ATF
OPET PETROLÇÜLÜK A.S., IZMIR/TR	ATF DEXRON II
ORLEN OIL SP. Z O.O., KRAKOW/PL	HIPOL ATF II D
ORLEN OIL SP. Z O.O., KRAKOW/PL	HIPOL ATF IIE
ORLEN OIL SP. Z O.O., KRAKOW/PL	HIPOL ATF III
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO ATF DX III HTS
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO ATF XT III FLUID
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO AUXON II E
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO AUXON III
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO DX FLUID II TS
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO MULTIPURPOSE TRANSMISSION FLUID II D
PANOLIN AG, MADETSWIL/CH	PANOLIN ATF DEXRON III
PANOLIN AG, MADETSWIL/CH	PANOLIN ATF MULTI 21996
PANOLIN AG, MADETSWIL/CH	PANOLIN ATF SYNTH
PARAMO, A.S., PARDUBICE/CZ	MOGUL ATF IIIG
PARAMO, A.S., PARDUBICE/CZ	MOGUL TRANS ATF DIII
PARS OIL CO, TEHRAN/IR	PARS ENTEGHAL AUTOMATIC
PETRO-CANADA LUBRICANTS, MISSISSAUGA/CDN	HEAVY DUTY SYNTHETIC BLEND ATF
PETROGAL S.A., LISBOA/P	GALP TRANSMATIC D II
PETROGAL S.A., LISBOA/P	GALP TRANSMATIC D III
PETROL OFISI A.S, MASLAK-ISTANBUL-TURKEY/TR	PO ATF II
PETROL OFISI A.S, MASLAK-ISTANBUL-TURKEY/TR	PO ATF-2
PETRONAS LUBRICANTS BELGIUM NV, AARTSELAAR/B	SUNAMATIC 149
PETRONAS LUBRICANTS BELGIUM NV, AARTSELAAR/B	SUNAMATIC 153
PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL	AKCELA TRANS XHD
PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL	AMBRA HYDRODEX 3
PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL	TUTELA CAR GI/E
PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL	TUTELA GI/A
PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL	TUTELA TRUCK ATF 120
PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL	TUTELA TRUCK ATF 90
PETRONAS LUBRICANTS SPAIN S.L.U., CANOVELLAS/E	ARBOR MTA
PETRONAS LUBRICANTS SPAIN S.L.U., CANOVELLAS/E	TUTELA GI / A
PETRONAS LUBRICANTES BRASIL S.A., CONTAGEM/BR	TUTELA GI/A PLUS
POWER INTERNATIONAL CHEMICAL & OIL CORPORATION	KA NASA KEN
PRISTA OIL EAD, ROUSSE/BG	PRISTA ATF
RALOY LUBRICANTES S.A. DE C.V., TIANGUISTENCO/MEX	TRANSFLUID SYNTHETIC M-5
RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D	RAVENOL AUTOM.-GETR.-OEL DEXRON D II
RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D	RAVENOL DEXRON F III
RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D	RAVENOL DEXRON II E
RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D	RAVENOL DEXRON III H
REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E	HIDRO ATF
REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E	MATIC ATF
REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E	MATIC SINTETICO
REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E	REPSOL ATF 3
REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E	REPSOL MATIC III
RILUB SPA, OTTAVIANO - NA/I	EURATF 3
RS200 MOTOR OIL, LAKKOMA/GR	ATF DEXRON IID
S.A.E.L., MADRID/E	GULF ATF D II D
S.A.E.L., MADRID/E	GULF ATF HIGH TECH
S.A.E.L., MADRID/E	GULF ATF SYNT
SEPAHAN OIL COMPANY, TEHRAN/IR	SEPAHAN ATF-2
SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB	SHELL DONAX TA
SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB	SHELL DONAX TG
SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB	SHELL DONAX TV
SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB	SHELL DONAX TX
SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB	SHELL DONAX TZ
SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D	SRS WIOLIN ATF D
SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D	SRS WIOLIN ATF DEXRON S
SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D	SRS WIOLIN ATF III
STATOIL LUBRICANTS, STOCKHOLM/S	STATOIL TRANSWAY DX II
STATOIL LUBRICANTS, STOCKHOLM/S	STATOIL TRANSWAY DX III
STATOIL LUBRICANTS, STOCKHOLM/S	STATOIL TRANSWAY PS DX III
STATOIL LUBRICANTS, STOCKHOLM/S	TRANSWAY S DX II
STATOIL LUBRICANTS, STOCKHOLM/S	TRANSWAY S DX III F
SYNECO SPA, SAN GIULIANO MILANESE/I	ATF PLUS
TEDEX PRODUCTION SP.Z.O.O., TOMASZOW MAZOWIECKI/PL	TEDEX ATF II D

TEDEX PRODUCTION SP.Z.O.O., TOMASZOW MAZOWIECKI/PL  
TEDEX PRODUCTION SP.Z.O.O., TOMASZOW MAZOWIECKI/PL  
TNK LUBRICANTS, MOSCOW/RUS  
TOTAL LUBRIFIANTS S.A., PARIS/F  
TOTAL LUBRIFIANTS S.A., PARIS/F  
TOTAL LUBRIFIANTS S.A., PARIS/F  
TOTAL LUBRIFIANTS S.A., PARIS/F  
TOTAL LUBRIFIANTS S.A., PARIS/F  
TOTAL LUBRIFIANTS S.A., PARIS/F  
TOTAL LUBRIFIANTS S.A., PARIS/F  
TOTAL LUBRIFIANTS S.A., PARIS/F  
TOTAL LUBRIFIANTS S.A., PARIS/F  
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  
VALVOLINE EUROPE, DORDRECHT/NL  
WAMECO, ZANICA (BG)/I  
WARREN OIL CO., DUNN, NORTH CAROLINA/USA  
YACCO, ST PIERRE LES ELBEUF/F  
YPF S.A., ENSAENADA/RA  
ZELLER + GMELIN GMBH & CO., EISLINGEN/D  
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/D  
ZF GETRIEBE GMBH, SAARBRÜCKEN/D

TEDEX ATF III  
TEDEX ATF SYNTHETIC  
TNK ATF IID  
ELFMATIC G2 SYN  
ELFMATIC G3  
ELFMATIC G3 SYN  
FINAMATIC HP  
FINAMATIC II D  
TOTAL FLUIDE AT 42  
TOTAL FLUIDE ATX  
TOTAL FLUIDE G 3  
TOTAL FLUIDE II D  
TOTAL FLUIDE SYN FE  
TOTAL FLUIDE XLD FE  
TOTAL FLUIDEMATIC SYN  
MATIC D  
VALVOLINE ATF TYPE D  
VALVOLINE SYNPOWER ATF  
HELIFLUID 9600 TS  
MULTI-VEHICLE SYNTHETIC BLEND ATF  
YACCO ATF III  
HIDRO ATF  
DIVINOL FLUID III G  
ZF-ECOFLUID A PLUS  
ZF LIFEFLUID5

**Lubricant class 04E**

Monograde engine oil (API CD/CE/CF-4/CF/CG-4/CH-4/CI-4/SF/SG/SH/SJ/SL or ACEA categories A/B/E)

Viscosity grade: SAE 50

**Note:**

All mineral oil-based trade products which satisfy the above specifications may be used. There will be no product listing.

**Lubricant class 04F**

Oil CLP 220 in accordance with DIN 51517-3

Viscosity grade: ISO VG 220

**Manufacturer (04F)**

CASTROL INTERNATIONAL, PANGBOURNE READING/GB  
EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA

**Trade name (04F)**

CASTROL ALPHASYN HG 220  
MOBILGEAR 600 XP 220