

ZF Marine Oil Filter Breakdown

All ZF 4M thru ZF 30M Do Not Use filters

New Model	Old Model	Without trolling valve	With Trolling valve	Strainer	New Model	Old Model	Without trolling valve	With Trolling valve
ZF 25	HSW250H	A	A	E	ZF 320A	IRM 320AL	B	B
ZF 25A	HSW 250A	A	A	E	ZF 350A	IRM 350AL	B	B OR K
ZF 45-1	HSW 450H	A	A		ZF 350	IRM 350PL	B	B OR K
ZF 45A	HSW 450A	A	A		ZF 350V	IRM 350V	B	B OR K
ZF 45C	HSW 450D			C	ZF 350IV	IRM 350VLD	B	B OR K
ZF 63	HSW 630H	A	A		ZF W350	IRM 350-1	B	B OR K
ZF 63A	HSW 630A	A	A		ZF 350	IRM 350PL	B	B OR K
ZF 63IV	HSW 630V	A	A		ZF 500A	NEW MODEL	B	B
ZF 63C	HSW 630D			C	ZF 500IV	NEW MODEL	B	B
ZF 80A	HSW 800A-2	A	A		ZF 510A	NEW MODEL	B	B
ZF 80-1A	HSW 800A-3	A	A		ZF 550	NEW MODEL	B	B
ZF 80 IV	HSW 800V1	A	A		ZF 550A	NEW MODEL	B	B
ZF 80-IV	HSW 800V2	A	A		ZF 550V	NEW MODEL	B	B
ZF 88C	New Model			C	ZF 665	NEW MODEL	B	B
ZF 220A	IRM 220A			D	ZF 2000 FAMILY		G	G
ZF 220	IRM 220PL			D	ZF MASSON FAMILY		H	H
ZF 220V	IRM 220V			D				
ZF 220IV	IRM 220VLD			D				
ZF W220	BW 61	0750-131-056						
ZF 280	IRM 280PL-I			D				
ZF 280-1	New Model			D				
ZF 280-1A	New Model			D				
ZF 280A	IRM 280A			D				
ZF 280IV	IRM 280VLD-1			D				
ZF 285A	NEW MODEL	B	B					
ZF 285IV	NEW MODEL	B	B					
ZF 301C	IRM 301PL-2	B & F	B					
ZF 301A	IRM301A-2	B & F	B					
ZF 302IV	IRM302VLD	B & F	B					
ZF 304A	NEW MODEL	B	B					
ZF 305	NEW MODEL	B						
ZF 305A	NEW MODEL	B						
OOP 1996	IRM 301AL	B & F	B					
OOP 1996	IRM 301PL	B & F	B					
ZF 311	IRM 311PL	B	B					
ZF 311A	IRM 311A-1	B	B					
ZF 325-1A	NEW MODEL	B	B					
ZF 325-1	NEW MODEL	B	B					
ZF 325IV	NEW MODEL	B	B					
ZF 320	IRM 320PL	B	B					

Cross Reference-ZF's "B" Filter is the same as:

FRAM	PH2809
	PH2821A (long)
Baldwin	BT 216
Fleetguard	LF 701

3/4 - 16 THREAD

FILTER CROSS REFERENCE

MODEL	MPM	ZF (USE MPM P/N)	SAVARA	TECHNOCAR	FRAM	BALDWIN	NAPA	FLEETGUARD
IRM 302VLD	033102000096	9999.000.172	9.28.311	R332	PH2809	N/A		LF3400
IRM 301					PH16 (<i>Second Choice</i>)			LP3494
IRM 310								
IRM 301 Troll	033102000009	9999.000.173	9.28.041	R65	PH2821A (longer w/ increase capacity)	BT216	1806	LF701
IRM310 Troll								LF3400
IRM 320								
IRM-350								
IRM 320 Troll	03310200004	9999.000.171	9.28.111	R68	PH2801	B236	1820	LF4054
IRM 350 Troll					PH2924			

FILTER CODES

Code	P/N	Description	List Price
A	3312199031	Oil filter kit W/O-rings	\$52.10
B	3213308019	Spin on filter "STD" 5 1/2" tall	\$31.40
C	3311301001	Strainer filter	\$30.79
D	3205308041	Strainer filter	\$48.06
E	3315201001	Strainer filter	\$23.78
F	3209308036	Spin on filter "SHORT" 3 1/2" tall	\$63.36
G	0501212459	Spin on filter	\$55.44
H	DVD290B40B	Filter element	\$200.26
J	0750131056	Spin on filter w/threaded bung	\$53.56
K	3215308064	Spin on filter for 350 w/rotary control valve & troll valve only 8" tall, 1" opening	\$78.50



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 60000 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
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 50	04D
IRM 220 to IRM 350	04A / 04B / 04C
PPD, PPS	Gear oils 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 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).

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, Edition 01.07.2009 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 .	ZF Friedrichshafen AG D-88038 Friedrichshafen phone: + 49 7541 77 7181 fax: + 49 7541 77 7319	ZF Marine GmbH 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
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA
 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
 INA MAZIVA RIJEKA, RIJEKA/HR
 INA MAZIVA RIJEKA, RIJEKA/HR
 KRAFFT S.L., ANDOAIN/E
 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
 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
 PROFI-TECH GMBH, GINGEN/D
 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 TECTON MONOGRADE 30
 URSA TRANS SAE 40
 URSA SUPER LA 40
 MOBIL DELVAC 1630 SAE 30
 MOBIL DELVAC 1640 SAE 40
 TITAN UNIVERSAL HD 30
 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 SAGARTIA 30
 INA SUPER 3 30
 INA SUPER 5 30
 MONOGRADO SUPER S-3 SAE 40
 Q8 MOZART DP SAE 30
 Q8 MOZART DP SAE 40
 LIQUI MOLY TOURING HIGH TECH HD 40
 TOURING HIGH TECH MOTOROIL SAE 30
 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
 PROFI-CAR EXTRA C 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
 AVIA MINERALÖL-AG, MÜNCHEN/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
 INA MAZIVA RIJEKA, RIJEKA/HR
 INA MAZIVA RIJEKA, RIJEKA/HR
 KRAFFT S.L., ANDOAIN/E
 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
 LIQUI MOLY GMBH, ULM/D
 MTU, FRIEDRICHSHAFEN/D
 NOVA STILMOIL SPA, MODENA/I
 PAKELO MOTOR OIL S.R.L., SAN BONIFACIO (VR)/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
 AVILUB MULTI HDC-B 15W40
 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
 INA SUPER 3 15W-40
 INA SUPER 5 15W-40
 SUPERMULTIGRADO D 15W40
 Q8 T 400 SAE 15W-40
 Q8 T 500 SAE 15W-40
 Q8 T 710 SAE 15W-40
 Q8 T 750 SAE 15W-40
 TOURING HIGH TECH DIESELSPEZIALOIL SAE 15W-40
 POWER GUARD DEO SAE 15W-40
 ORION SUPER PLUS 15W40
 PAKELO GOLDEN D/G SAE 15W/40
 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
 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 YAĞLAR, GEBZE KOCAELI/TR
 BELGIN MADENI YAĞLAR, 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
 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
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 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
 DEUTSCHE PENTOSIN WERKE GMBH, WEDEL/D
 ENGEN PETROLEUM LTD., CAPE TOWN/ZA
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I

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
 ARAL GETRIEBEÖL 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 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
 PENTOSIN ATF TYP 2 D
 ENGEN ATF III
 AGIP ATF II D
 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 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
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 420
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/VV	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
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
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 III G
PARS OIL CO, TEHRAN/IR	PARS ENTEGHAL AUTOMATIC
PETRO-CANADA LUBRICANTS, MISSISSAUGA/CDN	HEAVY DUTY SYNTHETIC BLEND ATF
PETRO-CANADA LUBRICANTS, MISSISSAUGA/CDN	MERCON V ATF H-36007
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 G/IE
PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL	TUTELA G/IA
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 G/IA
PETRONAS LUBRICANTES BRASIL S.A., CONTAGEM/BR	TUTELA G/IA 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
REDOIL ITALIA SPA, SAN VITALIANO (NA)/I	CHALLOILS ATF III
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
SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB	SHELL DONAX TA
SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB	SHELL DONAX TG (G-34078)
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 ATF III
TEDEX PRODUCTION SP.Z.O.O., TOMASZOW MAZOWIECKI/PL	TEDEX ATF SYNTHETIC
TOTAL LUBRIFIANTS S.A., PARIS/F	ELFMATIC G2 SYN
TOTAL LUBRIFIANTS S.A., PARIS/F	ELFMATIC G3
TOTAL LUBRIFIANTS S.A., PARIS/F	ELFMATIC G3 SYN
TOTAL LUBRIFIANTS S.A., PARIS/F	FINAMATIC HP
TOTAL LUBRIFIANTS S.A., PARIS/F	FINAMATIC II D
TOTAL LUBRIFIANTS S.A., PARIS/F	TOTAL FLUIDE AT 42

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

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 LIFEGUARDFLUID5

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.