



**Converter transmissions for off-road equipment
(off-road vehicles, special vehicles, lift truck)**

List of lubricants TE-ML 03

1. Approved lubricant classes

Product group	Lubricant classes for service fills (1)
WG WG 80, 81, 83, 85, 86 WG 92, 98, 100 WG 120, 121, 150, 151 WG 180, 181, 200, 201 WG 250, 251 WG 65 HN 500 PW 45H ERGOPOWER WG 110	ZF-Powerfluid 03A, 03E, 03G, 03H only at ambient temperatures below - 10°C: 03D, 03F Special approvals after consultation with ZF.
ERGOPOWER WG 115, 116, 130, 131, 160, 161, 171, 190, 191, 210, 211, 260, 261, 310, 311	ZF-Powerfluid 03A, 03B, 03C, 03D, 03E, 03G, 03H only at ambient temperatures below - 10°C: 03F
ERGOPOWER EP 320, 370, 420, 470	03A, 03B, 03C
WG 90, WG 94	ZF-Powerfluid 03A, 03E, 03G, 03H only at ambient temperatures below - 30°C: 03D, 03F
WG 92 S4	03A JOHN DEERE, Waterloo/USA: HY-GARD only at ambient temperatures below - 10°C: 03F
Transfer box TB92-432, TB92C-432, TB92-280 I3, TB92-430 I4	ZF-Powerfluid 03E, 03G, 03H

(1) Refer to the following pages for approved commercial products and low temperature limits.

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.

Note low-temperature limits and oil change intervals on page 2!

The list of lubricants TE-ML 03, Edition 01.01.2010 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 .	ZF Friedrichshafen AG D-88038 Friedrichshafen phone: + 49 7541 77 7853 fax: + 49 7541 77 7319	ZF Passau GmbH D-94030 Passau
--	---	---

2. Oil change intervals

Lubricant class	03A, 03B, 03C, 03D, 03E, 03F, 03H	ZF Powerfluid 03G
Load class	Oil change interval	
1	1500 h	2000 h
2	1000 h	1500 h

3. Load classes

Load class	Examples of applications
1	- normal operation
2	- frequent reversing/retarder operation

4. Low temperatures limits

Lubricant classes	Oil type / viscosity grades	Use at outside temperatures above	
		WG / WG 92 S4 / TB	ERGOPOWER WG 90 / WG 94
03D	- ATF	- 30°C	- 40°C
03F	- UTTO in accordance with JDM J20D / John Deere Low Viscosity Hy-Gard	- 30°C	- 40°C
ZF-Powerfluid 03E, 03G, 03H	- UTTO	- 20°C	- 30°C
03B, 03C	- SAE 5W-30, 5W-40	- 25°C	- 35°C
03A, 03B, 03C	- SAE 10W, 10W-30, 10W-40	- 20°C	- 30°C
03A, 03C	- SAE 15W-30, 15W-40	- 15°C	- 25°C
03A, 03C	- SAE 20W-20, 20W-40	- 10°C	- 20°C
03A, 03C	- SAE 30	- 5°C	- 10°C

5. Lubricant classes and approved trade products

Lubricant class 03A

Mineral oil-based 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 grades: SAE 20W-20 / 30 / 10W-30 / 10W-40 / 15W-30 / 15W-40 / 20W-40

Note:

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

Lubricant class 03B**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 grades: SAE 10W / 5W-30 / 5W-40

Manufacturer (03B)

BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH
 COMP.BRASIL. D. PETRO. IPIRANGA, RIO DE JANEIRO/BR
 FUCHS PETROLUB AG, MANNHEIM/D
 GINOUVES GEORGES SA, LA FARLEDE/F
 GS CALTEX CORPORATION, SEOUL/ROK
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL
 LLK FINLAND OY, HAMINA/FIN
 LUBRICATION ENGINEERS, INC., FORT WORTH, TEXAS/USA
 MORRIS LUBRICANTS, SHREWSBURY/GB
 PAKELO MOTOR OIL S.R.L. SAN BONIFACIO (VR)/I
 PANOLIN AG, MADETSWIL/CH
 PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL
 PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL
 PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL
 PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL
 REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D
 TOTAL LUBRIFIANTS S.A., PARIS/F

Trade name (03B)

BLASOL 10W20
 ULTRAMO TURBO 10W
 FUCHS TITAN UNIVERSAL HD SAE 10W
 YORK 730 SAE 10W
 DOOSAN DX 10W
 Q8 T 400 SAE 10W
 Q8 T 520 SAE 10W
 TEBOIL POWER D SAE 10W
 MONOLEC GFS ENGINE OIL SAE 10
 RING FREE XHD 10W
 PAKELO PKO HD 4 SAE 10W
 PANOLIN EXTRA DIESEL 10W
 AKCELA ENGINE OIL 10 (SAE 10W)
 AKCELA SUPER 10 (SAE 10W)
 AMBRA SUPER 10 (SAE 10W)
 URANIA C SAE 10 W
 TELEX W SAE 10W
 SRS REKORD 10W
 TOTAL RUBIA S 10W

Lubricant class 03C**Off highway lubricants**

Viscosity grades: SAE 5W-30 / 5W-40 / 10W / 10W-30 / 10W-40 / 15W-30 / 15W-40 / 20W-20 / 20W-40 / 30

Manufacturer (03C)

ADDINOL LUBE OIL GMBH, LEUNA/D
 ARAL AG, BOCHUM/D
 ARAL AG, BOCHUM/D
 BAYWA AG, MÜNCHEN/D
 BAYWA AG, MÜNCHEN/D
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH
 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
 CATERPILLAR INC., PEORIA/USA
 CATERPILLAR INC., PEORIA/USA
 CEPESA LUBRICANTS S.A., MADRID/E
 CEPESA LUBRICANTS S.A., MADRID/E
 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, SYDNEY/AUS
 CHEVRONTEXACO, SYDNEY/AUS
 CHEVRONTEXACO, SYDNEY/AUS
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA
 FUCHS PETROLUB AG, MANNHEIM/D
 GINOUVES GEORGES SA, LA FARLEDE/F
 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
 LLK FINLAND OY, HAMINA/FIN
 LLK FINLAND OY, HAMINA/FIN
 LUBRICANT OIL COMPANY, SINOPEC, BEIJING/CN
 MAGNA INDUSTRIAL CO. LIMITED, HONG KONG/HK
 MAGNA INDUSTRIAL CO. LIMITED, HONG KONG/HK
 MAZIVA ZAGREB D.O.O, ZAGREB/HR
 MAZIVA ZAGREB D.O.O, ZAGREB/HR
 MORRIS LUBRICANTS, SHREWSBURY/GB
 MORRIS LUBRICANTS, SHREWSBURY/GB
 OMV REFINING & MARKETING GMBH, WIEN/A
 OMV REFINING & MARKETING GMBH, WIEN/A
 PETRONAS LUBRICANTS BELGIUM NV, AARTSELAAR/B
 PRISTA OIL EAD, ROUSSE/BG
 PRISTA OIL EAD, ROUSSE/BG
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D
 REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E
 REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E
 S.A.E.L., MADRID/E
 S.A.E.L., MADRID/E
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB
 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
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D

Trade name (03C)

ADDINOL FLUID TO-4 SAE 30
 ARAL FLUID TO-4 SAE 10W
 ARAL FLUID TO-4 SAE 30
 BAYWA MOTORENÖL HDC SAE 30
 TECTROL UTTO - TO
 TRANSFLUID TF 10W
 TRANSFLUID TF 30
 BP AUTRAN 410
 BP AUTRAN 430
 GEAR OIL MEGA TO-4 SAE 10W
 GEAR OIL MEGA TO-4 SAE 30
 CASTROL TFC 410
 CASTROL TFC 430
 CAT TDTO SAE 10W
 CAT TDTO SAE 30
 CEPESA TRANSMISIONES TO-4 SAE 10W
 CEPESA TRANSMISIONES TO-4 SAE 30
 CHEVRON DRIVE TRAIN FLUID HD (SAE 30)
 CHEVRON DRIVE TRAIN FLUID HD SAE 10W
 TEXACO TRANSMISSION & DRIVE TRAIN OIL 10W
 TEXACO TRANSMISSION & DRIVE TRAIN OIL 30
 TEXTRAN HD 10W
 TEXTRAN HD 30
 CALTEX TORQUE FLUID 414
 CALTEX TORQUE FLUID 434
 CALTEX TORQUE FLUID 434A
 ROTRA CT 30
 ESSOTRANS/EXXTRANS 10W
 ESSOTRANS/EXXTRANS 30
 MOBILTRANS HD 10W
 MOBILTRANS HD 30
 TITAN UTTO TO-4 SAE 30
 YORK 792 SAE 30
 EL-4117
 Q8 TO-4 FLUID SAE 10W
 Q8 TO-4 FLUID SAE 30
 TEBOIL FLUID TO-4 SAE 10W
 TEBOIL FLUID TO-4 SAE 30
 GREAT WALL TRANS FLUID 30
 OMEGA 696 SAE 10W
 OMEGA 696 SAE 30
 INA TRANSMATIK 10W
 INA TRANSMATIK 30
 LIQUIMATIC CT 10W
 LIQUIMATIC CT 30
 OMV CONSTRUCT TO-4 SAE 10W
 OMV CONSTRUCT TO-4 SAE 30
 CATRALUBE 30
 PRISTA TO-4 10W
 PRISTA TO-4 30
 RAVENOL CATOEL TO-4 SAE 10W
 RAVENOL CATOEL TO-4 SAE 30
 TRANSMISIONES TO-4 SAE 10W
 TRANSMISIONES TO-4 SAE 30
 GULF DYNATRANS 10W
 GULF DYNATRANS 30
 SHELL DONAX TC 10W
 SHELL DONAX TC 30
 SHELL DONAX TCS
 SRS GETRIEBEFLUID ZFC
 SRS WIOLIN 410
 SRS WIOLIN 430

Lubricant class 03D

Automatic Transmission Fluids (ATF)

Manufacturer (03D)

ACPA, ALEXANDRIA/E
 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
 ANATOLIA MADENI YAG SAN. TIC. LTD.STI., ANKARA/TR
 ARAL AG, BOCHUM/D
 AVIA MINERALÖL-AG, MÜNCHEN/D
 BAYWA AG, MÜNCHEN/D
 BAYWA AG, MÜNCHEN/D
 BEHRAN OIL CO., TEHRAN/IR
 BELGIN MADENI YAGLAR, GEBZE KOCAELI/TR
 BELGIN MADENI YAGLAR, GEBZE KOCAELI/TR
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB
 CEPESA LUBRICANTS S.A., MADRID/E
 CEPESA LUBRICANTS S.A., MADRID/E
 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
 CITGO PETROLEUM, TULSA/USA
 CITGO PETROLEUM, TULSA/USA
 COMERCIAL IMPORTADORA S.A. DE C.V., SANTA FE/MEX
 CYCLON HELLAS S.A., MAROUSSI ATHENS/GR
 DE OLIEBRON B.V., ZWIJNDRECHT/NL
 DE OLIEBRON B.V., ZWIJNDRECHT/NL
 ENGEN PETROLEUM LTD., CAPE TOWN/ZA
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA
 FABRIKA MAZIVA FAM A.D, KRUEVAC/SRB
 FUCHS PETROLUB AG, MANNHEIM/D
 FUCHS PETROLUB AG, MANNHEIM/D
 GAZPROMNEFT-ONPZ, OMSK/RUS
 GENOL GMBH & CO., WIEN/A
 GINOUVES GEORGES SA, LA FARLEDE/F
 GRUPA LOTOS SA, GDANSK/PL
 GRUPA LOTOS SA, GDANSK/PL
 HANDEL MIJ NOVIOL B.V., NIJMEGEN/NL
 HUILES BERLIET S.A., SAINT PRIEST/F
 HYDROTEX, CARROLLTON, TEXAS/USA
 KLORA GRES VE YAG SANAYI A.S., GEBZE/KOCAELI / TR
 KRAFFT S.L., ANDOAIN/E
 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
 LIQUI MOLY GMBH, ULM/D
 LUBRICANTES VENOCO INTERN. C.A, GUACARA/YV
 LUBRICATION ENGINEERS, INC., FORT WORTH, TEXAS/USA
 MAZIVA ZAGREB D.O.O, ZAGREB/HR
 MAZIVA ZAGREB D.O.O, ZAGREB/HR
 MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D
 MOL-LUB KFT., ALMÁSFÜZITŐ/H
 MOL-LUB KFT., ALMÁSFÜZITŐ/H
 MORRIS LUBRICANTS, SHREWSBURY/GB
 MORRIS LUBRICANTS, SHREWSBURY/GB
 MOTUL SA, AUBERVILLIERS CEDEX/F
 MOTUL SA, AUBERVILLIERS CEDEX/F
 OEL-BRACK AG, HUNZENSCHWIL/CH
 OK NEDERLAND, STAPHORST/NL
 OK NEDERLAND, STAPHORST/NL

Trade name (03D)

ACPA ATF DEX IID
 ADDINOL ATF D II D
 ADDINOL ATF D III
 AGIP ATF D 309
 AGIP DEXRON III
 AMOC POWER (D-21611)
 AMOC POWER PLUS
 AMALIE ATF DEXRON III
 SUPER OIL ATF II
 ARAL GETRIEBEOL ATF 22
 AVIA FLUID ATF 86
 BAYWA ATF 3000
 TECTROL ATF 3000
 BEHRAN AUTOMATIC II
 LUBEX ATF-II
 LUBEX ATF-III M
 ATF GM
 MOTOREX ATF SUPER
 CASTROL IMPORT MULTIVEHICLE ATF
 CASTROL TQ-D (22256)
 CEPESA ATF 3000 S
 CEPESA ATF 70
 CHEVRON AUTOMATIC TRANSMISSION FLUID MERCON V
 CHEVRON MULTI-VEHICLE ATF
 TEXACO HAVOLINE ATF MERCON V
 TEXACO HAVOLINE MULTI-VEHICLE ATF
 TEXAMATIC 4291
 CITGO TRANSGARD® ATF, MERCON® V
 CITGO TRANSGARD® MULTI-VEHICLE ATF
 MULTI ATF PARA TODAS LAS MARCAS
 ATF TYPE D
 TOR ATF 289
 TOR ATF DMM
 ENGEN ATF III
 AGIP DEXRON III
 ESSO ATF D2
 MOBIL ATF 220
 ATF D II SAE 75W
 TITAN ATF 3000
 TITAN ATF 3000 CHINA
 G-BOX ATF DX II
 GENOL ATF MULTIFLUID
 YORK 886
 LOTOS ATF IID
 LOTOS ATF SUPER III G
 KENDALL ATF DEXRON II D
 RTO STARMATIC 3
 HY-TORQUE Z (ATF)
 KLORA ATF II K
 ATF D-21247 SAE 10W
 ATF SYNTHETIC D3
 ALMIROL ATF
 Q8 AUTO 14
 Q8 AUTO 15
 LIQUI MOLY ATF DEXRON IID
 VENOCO ATF MULTI - VEHICULO (75W)
 1150 TRANS-ALL EHP AUTOMATIC TRANSMISSION FLUID
 INA ATF DX IID
 INA ATF SUPER
 MEGOL HYDRAULIKOEL ATF DEXRON II D
 MOL ATF
 MOL ATF SYNT 3H
 LIQUIMATIC D II
 LIQUIMATIC SUPER ATF
 MOTUL DEXRON II D
 MOTUL DEXRON III
 MIDLAND ATF M3 PLUS
 OK TRANSMISSION OIL ATF-III
 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
OOO "LLK-INTERNATIONAL", MOSCOW/RUS	ATF
ORLEN OIL SP. Z O.O., KRAKOW/PL	HIPOL ATF II D
ORLEN OIL SP. Z O.O., KRAKOW/PL	HIPOL ATF III
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 MULTIPURPOSE TRANSMISSION FLUID II D
PANOLIN AG, MADETSWIL/CH	PANOLIN ATF DEXRON III
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
PETROL OFISI A.S, MASLAK-ISTANBUL-TURKEY/TR	PO ATF-2
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 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
RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D	RAVENOL AUTOM.-GETR.-OEL DEXRON D II
RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D	RAVENOL DEXRON F 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	REPSOL ATF 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
SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB	SHELL DONAX TA
SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB	SHELL DONAX TV
SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D	SRS VIOLIN ATF D
STATOIL LUBRICANTS, STOCKHOLM/S	STATOIL TRANSWAY DX II
STATOIL LUBRICANTS, STOCKHOLM/S	STATOIL TRANSWAY DX III
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
TOTAL LUBRIFIANTS S.A., PARIS/F	ELFMATIC G3
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 FLUIDE ATX
TOTAL LUBRIFIANTS S.A., PARIS/F	TOTAL FLUIDE G 3
VALVOLINE EUROPE, DORDRECHT/NL	VALVOLINE ATF TYPE D
WARREN OIL CO., DUNN, NORTH CAROLINA/USA	MULTI-VEHICLE SYNTHETIC BLEND ATF
YACCO, ST PIERRE LES ELBEUF/F	YACCO ATF III
YPF S.A., ENSAENADA/RA	HIDRO ATF
ZELLER + GMELIN GMBH & CO., EISLINGEN/D	DIVINOL FLUID III G

Lubricant class 03E**Universal Tractor Transmission Oil (UTTO)****Manufacturer (03E)**

76 LUBRICANTS (CONOCOPHILLIPS COMP.), HOUSTON/USA
 ADDINOL LUBE OIL GMBH, LEUNA/D
 ARAL AG, BOCHUM/D
 AVIA MINERALÖL-AG, MÜNCHEN/D
 BAYWA AG, MÜNCHEN/D
 BAYWA AG, MÜNCHEN/D
 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
 BP INTERNATIONAL, PANGBOURNE, READING/GB
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB
 CATERPILLAR INC., PEORIA/USA
 CEPESA LUBRICANTS S.A., MADRID/E
 CHEVRONTEXACO GLOBAL LUBRICANTS, SAN RAMON/USA
 CHEVRONTEXACO GLOBAL LUBRICANTS, SAN RAMON/USA
 CHEVRONTEXACO, GHENT/B
 CLAAS KGAA MBH, HARSEWINKEL/D
 DE OLIEBRON B.V., ZWIJNDRECHT/NL
 ENGEN PETROLEUM LTD., CAPE TOWN/ZA
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA
 FUCHS PETROLUB AG, MANNHEIM/D
 FUCHS PETROLUB AG, MANNHEIM/D
 FUCHS PETROLUB AG, MANNHEIM/D
 GINOUVES GEORGES SA, LA FARLEDE/F
 JOHN DEERE, MANNHEIM/D
 JOHN DEERE, WATERLOO/USA
 KENDALL MOTOR OIL (CONOCOPHILLIPS C.), HOUSTON/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
 LLK FINLAND OY, HAMINA/FIN
 LUBRICANT OIL COMPANY, SINOPEC, BEIJING/CN
 MAZIVA ZAGREB D.O.O, ZAGREB/HR
 OK NEDERLAND, STAPHORST/NL
 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
 PETRONAS LUBRICANTS INTERN., KUALA LUMPUR/MAL
 REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E
 SAVITA CHEMICALS LTD., MUMBAI/IND
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D
 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
 VOLVO CONSTRUCTION EQUIPMENT, ESKILSTUNA/S
 WOLF OIL CORPORATION N.V., HEMIKSEM/B

Trade name (03E)

76 HYDRAULIC/TRACTOR FLUID
 ADDINOL UTTO SAE 10W30
 ARAL FLUID HGS 10W-30
 AVIA HYDROFLUID DLZ
 BAYWA HYDRA HYDRAULIKFLUID
 TECTROL UTTO - HF
 ADAMOL TRANSMISSION-TRAKTOROIL SAE 10W-30
 ARISTOL MULTIFLUID HG SAE 10W-30
 BP TERRAC SUPER TRANSMISSION 10W-30
 BP TERRAC SUPER TRANSMISSION CVT 10W-30
 BP TRACTRAN TF 10 10W-30
 MOTOREX FARMER POLY 304
 CASTROL AGRI TRANS PLUS 10W-30
 CASTROL AGRI TRANS PLUS CVT 10W-30
 CASTROL AGRI TRANS PLUS CVT 80W
 CATERPILLAR MULTIPURPOSE TRACTOR OIL (MTO) 10W-30
 CEPESA AURIGA TE 55 (SAE 10W-30)
 CHEVRON 1000 THF
 TEXACO TDH OIL
 TEXTRAN TDH PREMIUM
 CLAAS AGRISHIFT GA 12
 TOR GEAR OIL UTTO
 ENGEN AGRIFLUID
 AGIP ROTRA MULTI THT
 MOBIL AGRIFLUID 424
 MOBILFLUID 424
 MOBILFLUID 426
 AGRIFARM UTTO MP
 TITAN UTTO HYDRA
 TITAN UTTO J20C
 YORK 676 10W30
 JOHN DEERE HY-GARD
 JOHN DEERE HY-GARD
 KENDALL HYKEN 052
 Q8 T 2000
 Q8 T 2100
 Q8 T 2200
 TEBOIL WETOL
 HYDRAULIC-TRANSMISSION MULTIFUNCTIONAL FLUID 10W30
 INA TRANSHIDROL JD 50
 OK HTU PLUS
 QUINTOL REAR AXLE FLUID F.I.D.
 OMV AUSTROMATIC IGB SAE 10W-30
 PAKELO UTTO FLUID 4D SAE 10W/30
 PANOLIN JD 303
 GALP TRALUB 807S
 AKCELA NEXPLORE (SAE 10W-30)
 AMBRA MULTI G
 ARBOR MTF 10W-30 (SAE 10W-30)
 AGRO ORION SAE 10W30
 SAVSOL 315 HAT
 SHELL DONAX TD
 SHELL DONAX TD PLUS
 SHELL DONAX TDS 10W-30
 SRS HYDROFLUID N
 ELF TRACTELF BF 16
 TOTAL DYNATRANS MPV
 TOTAL DYNATRANS MPWB
 FLUID VO
 VALVOLINE UNITRAC 80W
 VOLVO WETBRAKE TRANSAXLE OIL (WB101)
 WOLF UTTO 170 VOLVO BM SAE 10W30

Lubricant class 03F

Universal Tractor Transmission Oil (UTTO) in accordance with Group standard ZFN 13030,
use at outside temperatures below -10°C

Manufacturer (03F)

CNH, BURR RIDGE/USA

JOHN DEERE, WATERLOO/USA

SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB

Trade name (03F)

NEW HOLLAND F200A HYDRAULIC OIL, SAE 0W-20

JOHN DEERE LOW VISCOSITY HY-GARD

SHELL DONAX TD LOW VIS

Lubricant class 03G

Universal construction-machinery oil

Manufacturer (03G)

ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/D

Trade name (03G)

ZF-POWERFLUID

Lubricant class 03H

Biodegradable lubricants

Environmental label RAL-UZ 79 (Blauer Engel), VAMIL-regeling

Viscosity grade: SAE 75W-80

Instructions on the use of biodegradable lubricants:

The oil manufacturer's change-over directives included in the product description are to be observed when change-over to biodegradable lubricants is effected.

Manufacturer (03H)

PANOLIN AG, MADETSWIL/CH

Trade name (03H)

PANOLIN BIOFLUID ZFH