



Industrial Technology

**Transmissions for off-road equipment
(construction machinery, special vehicles, lift truck)**

List of lubricants TE-ML 03

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The list of lubricants TE-ML 03, **edition 01.04.2026** 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.

ZF Friedrichshafen AG
D-88038 Friedrichshafen
www.zf.com/contact

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, 158 WG 180, 181, 200, 201 WG 250, 251 WG 65 HN 500 PW 45H ERGOPOWER WG 110	<p>03A, 03E, 03G, 03H, 03K</p> <p>only at ambient temperatures below - 10°C: 03D, 03F</p> <p>Special approvals after consultation with ZF.</p>
ERGOPOWER WG 115, 116, 130, 131, 160, 161, 171, 190, 191, 210, 211, 230, 260, 261, 310, 311 BASICPOWER BP 190, 210, 230	<p>03A, 03B, 03C, 03D, 03E ⁽²⁾, 03G, 03H, 03K</p> <p>only at ambient temperatures below - 10°C: 03F</p>
ERGOPOWER L2 EP 320, 370, 420, 470, 520	<p>03A, 03B, 03C, 03H, 03K</p>
ERGOPOWER L2 (generation A) EP 320 A, 370 A, 420 A, 470 A, 520 A, 520 R	<p>03H, 03M</p>
4 WG 90, 4 WG 94, 5 WG 94	<p>03A, 03E, 03G, 03H, 03K</p> <p>only at ambient temperatures below - 30°C: 03D, 03F</p>
3 WG 94 ⁽³⁾	<p>03E, 03G, 03H</p> <p>only at ambient temperatures below - 30°C: 03D, 03F</p>
WG 92 S4	<p>03A, 03K JOHN DEERE, Waterloo/USA: HY-GARD</p> <p>only at ambient temperatures below - 10°C: 03F</p>
cPOWER CP 190, 210, 230, 260, 290, 310, 330	<p>03G, 03L</p> <p>only at ambient temperatures below - 20°C: 03F</p>
Transfer box TB 92C-430, TB 92-I 3, TB 92-I 4, TB 98-I 4	<p>03E, 03G, 03H</p>

2. Application class

Application class	Examples of applications
1	- ERGOPOWER, BASICPOWER, 2WG 94, 3WG 94
2	- WG, 4WG 90/94, 5WG 94, WG 92 S4, Transfer box
3	- cPOWER
4	- ERGOPOWER L2, ERGOPOWER L2 (generation A)

3. Oil and filter change intervals

3.1 Initial change interval

Lubricant class	03A, 03B, 03C, 03D, 03E, 03F, 03H, 03K	03G	03L	03M
Application class	Oil and filter change after [h]			
1	100-500 h	100-500 h	-	-
2	100-500 h	100-500 h	-	-
3	2000 h *)	2000 h *)	2000 h *)	-
4	Filter only: 100-500 h	-	-	Filter only: 100-500 h

3.2 Subsequent change interval

Lubricant class	03A, 03B, 03C, 03D, 03E, 03F, 03H, 03K	03G	03L	03M
Application class	Oil and filter change interval [h]			
1	2000 h	2000 h	-	-
2	1500 h	1500 h	-	-
3	2000 h *)	2000 h *)	2000 h *)	-
4	1000 h	-	-	Filter: 2000 h Oil: 4000 h

*) For the full flow filter (filter element next to transmission control) the oil filter change interval is 2000 h and for the hydrostatic filter (filter element next to hydrostatic hood) the oil filter change interval is 6000 h

The oil filter must also be replaced with every oil change. Only original ZF High Performance filters are permitted.

4. Low temperatures limits

Lubricant classes	Oil type / viscosity grades	Use at outside temperatures above		
		WG / WG 92 S4 / Transfer box	ERGOPOWER BASICPOWER WG 90 / WG 94 ERGOPOWER L2	cPOWER
03D, 03M	- ATF	- 30°C	- 40°C	-
03F	- UTTO in accordance with JDM J20D / John Deere Low Viscosity Hy-Gard	- 30°C	- 40°C	- 40°C
03E, 03G, 03H, 03L	- UTTO	- 20°C	- 30°C	- 20°C
03K	- SAE 0W-30, 0W-40	- 30°C	- 40°C	-
03B, 03C, 03K	- SAE 5W-30, 5W-40	- 25°C	- 35°C	-
03A, 03B, 03C, 03K	- SAE 10W, 10W-30, 10W-40	- 20°C	- 30°C	-
03A, 03C, 03K	- SAE 15W-30, 15W-40	- 15°C	- 25°C	-
03A, 03C, 03K	- SAE 20W-20, 20W40	- 10°C	- 20°C	-
03A, 03C, 03K	- SAE 30	- 5°C	- 10°C	-

5. Explanation of footnotes and comments

- (1) **Refer to the following pages for approved commercial products, oil change intervals and low temperature limits.**
- (2) The products marked with (*) in the lubricant class 03E must not be used for John Deere wheel loaders.
- (3) The use of products from lubricant classes 03A and 03K is only permitted after prior consultation with ZF.

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.

6. Lubricant classes and approved trade products

Lubricant class 03A

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

Base oil API Group 1 / 2 / 3

Note:

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

Oils of the API CI-4 Plus, CJ-4, CK-4, SM, or ACEA specification, category E9 (also in combination with the above mentioned specifications) are not permitted for this lubricant class. Oils of these specifications are listed in the 03K lubricant class.

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

Oils of the API CI-4 Plus, CJ-4, CK-4, SM, or ACEA specification, category E9 (also in combination with the above mentioned specifications) are not permitted for this lubricant class. Oils of these specifications are listed in the 03K lubricant class.

Manufacturer (03B)

FUCHS PETROLUB SE, MANNHEIM/DE
 GS CALTEX CORPORATION, SEOUL/KR
 GS CALTEX CORPORATION, SEOUL/KR
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE
 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 (03B)

FUCHS TITAN UNIVERSAL HD SAE 10W
 DOOSAN DX 10W
 DEVELON DX 10W
 Q8 T 400 SAE 10W
 Q8 T 520 SAE 10W
 URANIA C 10W (SAE 10W)
 AMBRA SUPER 10 (SAE 10W)
 AKCELA ENGINE OIL 10 (SAE 10W)
 ARBOR SUPER 10 (SAE 10W)

ZF approval number

ZF002013
 ZF000619
 ZF011964
 ZF000113
 ZF000119
 ZF000480
 ZF000610
 ZF000611
 ZF000612

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

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Manufacturer (03C)

HITACHI CONSTRUCTION MACHINERY EUROPE NV, AMSTERDAM/NL
 INA MAZIVA LTD., ZAGREB/HR
 INA MAZIVA LTD., ZAGREB/HR
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE
 MOL-LUB KFT, ALMASFUZITO/HU
 MOL-LUB KFT, ALMASFUZITO/HU
 MOTOREX AG, LANGENTHAL/CH
 MOTOREX AG, LANGENTHAL/CH
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA
 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
 PHI OIL GMBH, ST. GEORGEN/AT
 PRISTA OIL HOLDING EAD, RUSE/BG
 PRISTA OIL HOLDING EAD, RUSE/BG
 RAFINERIJA NAFTE AD BEOGRAD, BELGRADE/RS
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
 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
 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
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 SAVITA OIL TECHNOLOGIES LIMITED, MUMBAI/IN
 SAVITA OIL TECHNOLOGIES LIMITED, MUMBAI/IN
 SAVITA OIL TECHNOLOGIES LIMITED, MUMBAI/IN
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 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
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR
 TONGYI PETROLEUM CHEMICAL CO., LTD., BEIJING/CN
 TONGYI PETROLEUM CHEMICAL CO., LTD., BEIJING/CN
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR
 WILHELM HOYER B.V. & CO. KG, VISSSELHÖVEDE/DE
 WOLF OIL CORPORATION N.V., HEMIKSEM/BE
 WOLF OIL CORPORATION N.V., HEMIKSEM/BE

Trade name (03C)

HITACHI GENUINE TRANSMISSION OIL 10W
 INA TRANSMATIK 30
 INA TRANSMATIK 10W
 Q8 TO-4 FLUID SAE 10W
 Q8 TO-4 FLUID SAE 30
 Q8 TO-4 FLUID SAE 10W
 MOL TRANSFLUID TO-4 SAE 30
 MOL TRANSFLUID TO-4 SAE 10W
 MOTOREX YORK GEAR OIL MEGA TO-4 SAE 10W
 MOTOREX YORK GEAR OIL MEGA TO-4 SAE 30
 PRODURO TO-4 10W
 PRODURO TO-4 30
 GALP MULTITRANS 10W
 GALP MULTITRANS 30
 TUTELA TRANS TO-4 (SAE 10W)
 TUTELA TRANS TO-4 (SAE 30)
 KOMCAT SILVER
 PRISTA TO-4 10W
 PRISTA TO-4 30
 GALAX TRANS TO SAE 10W
 RAVENOL CATOEL TO-4 SAE 10W
 RAVENOL CATOEL TO-4 SAE 30
 REPSOL TRANSMISSIONS TO-4 SAE 10W
 REPSOL TRANSMISSIONS TO-4 SAE 10W
 REPSOL TRANSMISSIONS TO-4 SAE 10W
 REPSOL TRANSMISSIONS TO-4 SAE 30
 REPSOL NAVIGATOR TO-4 SAE 10W
 REPSOL NAVIGATOR TO-4 SAE 10W
 REPSOL NAVIGATOR TO-4 SAE 10W
 REPSOL NAVIGATOR TO-4 SAE 30
 SAVSOL ULTRA KES 3-30
 SAVSOL ULTRA KES 3-10W
 SAVSOL CE TRANS ZC
 SHELL SPIRAX S4 CX 30
 SHELL SPIRAX S4 CX 10 W
 SHELL SPIRAX S4 CX 30
 SHELL SPIRAX S4 CX 10 W
 SHELL SPIRAX S4 CX 30
 SHELL SPIRAX S4 CX 10 W
 SHELL SPIRAX S4 CX 30
 SHELL SPIRAX S6 CXME
 SINOPEC PREMIUM HD 30 TRANSMISSION OIL
 SRS GETRIEBFLUID ZFC
 SRS WIOLIN 410
 SRS WIOLIN 430
 TEXSA TAC-4 30
 MONTANA DYNAMIC HYDROTORK 4 30
 TONGYI 10W
 TONGYI 30
 TOTAL DYNATRANS ACX 10W
 TOTAL DYNATRANS ACX 30
 DYNATRANS AC 10W
 DYNATRANS AC 30
 HOYER MOVE M-CP 10W-30
 WOLF TDTO SAE 10W
 WOLF TRACTOFLUID 500

ZF approval number

ZF006092
 ZF000401
 ZF000403
 ZF002117
 ZF002118
 ZF011979
 ZF002244
 ZF002245
 ZF010984
 ZF010986
 ZF004868
 ZF003396
 ZF002014
 ZF002015
 ZF005931
 ZF005937
 ZF001077
 ZF000883
 ZF000884
 ZF002160
 ZF001851
 ZF001852
 ZF003469
 ZF003470
 ZF003471
 ZF003472
 ZF008277
 ZF008278
 ZF008279
 ZF008280
 ZF009455
 ZF009448
 ZF009471
 ZF000005
 ZF000402
 ZF000969
 ZF000970
 ZF001209
 ZF002307
 ZF005945
 ZF001790
 ZF001088
 ZF000584
 ZF001931
 ZF001932
 ZF001921
 ZF003668
 ZF012022
 ZF012021
 ZF002216
 ZF002217
 ZF011918
 ZF011962
 ZF011991
 ZF003582
 ZF003583

Lubricant class 03D**Automatic Transmission Fluids (ATF)****Manufacturer (03D)**

ACPA, ALEXANDRIA/EG
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 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
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 COMMERCIAL ROSHFRANS, S.A. DE C.V., MEXICO, D.F./MX
 ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUSÉVAC/RS
 ENILIVE S.P.A., ROME/IT
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 GLOBAL LUBRICANT INDUSTRY LLC, AJMAN/AE
 HILL CORPORATION, SHYMKENT/KZ
 INA MAZIVA LTD., ZAGREB/HR
 INA MAZIVA LTD., ZAGREB/HR
 INA MAZIVA LTD., ZAGREB/HR
 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
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE
 MOEVE COMMERCIAL S.A.U., MADRID/ES
 MOEVE COMMERCIAL S.A.U., MADRID/ES
 MOL-LUB KFT, ALMASFUZITO/HU
 MOL-LUB KFT, ALMASFUZITO/HU
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 PAKELO MOTOR OIL S.P.A. A S.U., SAN BONIFACIO (VR)/IT
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA
 PETROL OFISI A.S., ISTANBUL/TR
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 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
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SPECOL SP. Z O.O., CHORZOW/PL
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR
 VALVOLINE GLOBAL PRODUCTS, LEXINGTON/US
 VIBRA ENERGIA S.A., DUQUE DE CAXIAS/BR
 ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE

Trade name (03D)

ACPA DEX-IIIH
 ADDINOL ATF XN 2
 ADDINOL ATF XN 3
 AVISTA PEER EVO ATF 3000
 AVISTA PEER EVO ATF 2000
 TECTROL ATF 3000
 TECTROL ATF 4000
 BELGIN LUBEX MITRAS ATF HD III
 TEXAMATIC 4291
 DELO SYN ATF HD
 HAVOLINE MULTI-VEHICLE ATF
 ATF ALLPOWER MULTIVEHICULOS
 VALVOLINE HEAVY DUTY ATF D-II
 ENI ROTRA ATF II E
 MOBIL ATF 320
 MOBIL ATF 320
 FUCHS TITAN ATF 4000
 FUCHS TITAN ATF 4000
 BENZOL TRANSDRIVE ATF DEXRON III
 FASTROIL ATF 3
 INA ATF SUPER
 INA ATF DX IID
 INA ATF DX IIIH
 Q8 AUTO Z3D
 LIEBHERR HYDRAULIC-GEAR ATF
 LIQUI MOLY TOP TEC ATF 1100
 LIQUI MOLY ATF III
 LIQUI MOLY MARINE ATF
 MEGOL TRANSMISSION-FLUID ATF III
 CEPESA ATF 3000 S
 CEPESA ATF 2000S
 MOL ATF SYNT 3H
 MOL ATF SYNT
 HIPOL ATF II E
 ATF XT III FLUID
 DURADRIVE HD SYNTHETIC BLEND ATF
 ATF DX-3
 PETRONAS TUTELA ATF 500 HD
 PETRONAS TUTELA ATF 500 HD
 REPSOL MATIC III
 REPSOL AUTOMATOR ATF III
 SPIRAX S4 ATF HDX
 SHELL SPIRAX S2 ATF AX
 SINOPEC GREATWALL ATF HD
 HIPOSPEC ATF IID
 FLUIDMATIC D2
 ELFMATIC D2
 FLUIDMATIC D2
 ELFMATIC D2
 SYN GARD™ ATF ES
 LUBRAX ATF HD
 DIVINOL ATF SPEZIAL R

ZF approval number

ZF004823
 ZF003702
 ZF004910
 ZF004774
 ZF004775
 ZF004798
 ZF004799
 ZF011973
 ZF001574
 ZF001664
 ZF001714
 ZF000385
 ZF008168
 ZF000951
 ZF000043
 ZF006088
 ZF000728
 ZF006024
 ZF012217
 ZF003429
 ZF000248
 ZF000392
 ZF002314
 ZF003726
 ZF002119
 ZF004926
 ZF004928
 ZF004927
 ZF004922
 ZF000386
 ZF002040
 ZF001895
 ZF004917
 ZF003623
 ZF001177
 ZF004790
 ZF001667
 ZF003635
 ZF004757
 ZF000318
 ZF008281
 ZF001812
 ZF005982
 ZF003348
 ZF003354
 ZF006067
 ZF006068
 ZF006069
 ZF010594
 ZF003710
 ZF002120
 ZF009444

Universal axle and transmission oil

Manufacturer (03E)

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ADDINOL UTTO SAE 10W-30
VELA C+ AGROLUBE
VELA C+ LANDINI
VELA C+ MCCORMICK
AVIA HYDROFLUID TD
AVIA HYDROFLUID DLZ
AVIA POWERTRAIN UTTO-DLZ
TECTROL UTTO-HF
BELGIN LUBEX AGROS UTTO PLUS
BELL UTTO ULTRA
EVOLCA UTTO 8068
BP TRACTRAN TF-10
CASTROL TRANSMAX AGRI TRANS PLUS 80W
CASTROL TRANSMAX AGRI TRANS PLUS 80W
CAT MULTIPURPOSE TRACTOR OIL
CHAMPION U.T.T. OIL 170 BM
1000 THF
1000 THF
1000 THF
1000 THF
1000 THF
1000 THF
HY-TRAN PREMIUM HYDRAULIC TRANSMISSION OIL
AKCELA MULTI-TRACTION
AMBRA MULTI-TRACTION
HYDRAULIC TRANSMISSION OIL PREMIUM
AVENO UTTO
ENGEN AGRIFLUID
EUROL HYKROL JD 68
MOBILFLUID 424 (*)
MOBILFLUID 424 (*)
MOBIL HYDRAUL 56
MOBILFLUID 424 (*)
MOBILFLUID 428
MOBILFLUID 428
MOBILFLUID 424 (*)
MOBILFLUID 428
MOBILFLUID 428 V2
MOBILFLUID 428 V2
MOBILFLUID 428 V2
MOBILFLUID 428 V2
MOBILFLUID 428 V2
MOBILFLUID 428 V2
AVIATICON AGRA PREMIUM UTTO
FUCHS TITAN AGRIFARM UTTO MP
FUCHS TITAN AGRIFARM UTTO MP
FUCHS AGRIFARM UTTO MP
GB UNITRANS(R) ZF
GULF MPTF 10W-30
GULF MPTF 10W-30
EPMF
INA TRANSHIDROL JD 50
INA TRANSHIDROL JD 50
JOHN DEERE HY-GARD
AGRIFLUID HT-PLUS
Q8 T 2000
Q8 T 2200
Q8 TERRA 2200 UTTO
LIEBHERR GEAR MF 80W
LIEBHERR GEAR MF 80W
LIQUI MOLY SPECIAL UTTO
LIQUI MOLY TRAKTORÖL UTTO
MEGOL TRAKTORENOEL UTTO PREMIUM SAE 10W-30
MEGOL TRAKTORENOEL UTTO
CEPSA AURIGA TE 55 10W-30
MOTOREX YORK FARMER POLY 604
MOTOREX YORK FARMER POLY 304
MOTOREX YORK UTTO CF SAE 10W30
UTTO FLUID 4 D SAE 10W-30
GALP TRALUB 807 S
MAXITRAK TMS OIL 500
AMBRA MULTI G (SAE 10W-30)
AMBRA MULTI G (SAE 10W-30)
AMBRA MULTI G (SAE 10W-30)
AMBRA MULTI G (SAE 10W-30)
ARBOR MTF (SAE 10W-30)
AKCELA NEXPLORE (SAE 10W-30)
AKCELA NEXPLORE (SAE 10W-30)
AMBRA MULTI G (SAE 10W-30)
AKCELA NEXPLORE (SAE 10W-30)
ARBOR MTF (SAE 10W-30)
AMBRA MULTI G (SAE 10W-30)
PETRONAS AKCELA NEXPLORE (SAE 10W-30)

ZF000509
ZF003719
ZF003717
ZF003718
ZF001811
ZF005975
ZF012242
ZF002193
ZF012190
ZF012243
ZF004739
ZF008897
ZF002188
ZF004801
ZF000834
ZF011908
ZF011749
ZF011783
ZF011683
ZF011782
ZF011716
ZF011650
ZF008370
ZF008365
ZF011945
ZF011944
ZF001687
ZF010627
ZF001971
ZF000040
ZF000060
ZF003675
ZF004764
ZF005939
ZF008383
ZF011883
ZF008221
ZF011982
ZF011970
ZF011968
ZF011969
ZF011972
ZF011983
ZF004850
ZF002184
ZF002183
ZF012245
ZF000870
ZF000921
ZF000922
ZF008266
ZF000400
ZF000613
ZF001223
ZF008247
ZF000177
ZF003694
ZF012087
ZF001856
ZF004844
ZF001368
ZF001339
ZF011939
ZF001344
ZF011906
ZF001200
ZF006009
ZF008198
ZF008241
ZF012042
ZF000849
ZF001351
ZF000544
ZF000545
ZF005551
ZF001409
ZF001461
ZF001634
ZF001838
ZF002075
ZF002092
ZF002093
ZF003443
ZF004833

Manufacturer (03E)

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
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 SAME DEUTZ FAHR, TREVIGLIO/IT
 SAME DEUTZ FAHR, TREVIGLIO/IT
 SASOL ENERGY, JOHANNESBURG/ZA
 SAVITA OIL TECHNOLOGIES LIMITED, MUMBAI/IN
 SENNEBOGEN MASCHINENFABRIK GMBH, STEINACH/DE
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SINENG PETROCHEMICAL CO.,LTD., LIUZHOU, GUANGXI/CN
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR
 UNIL OPAL, SAUMUR/FR
 VALVOLINE EUROPE, DORDRECHT/NL
 VIBRA ENERGIA S.A., DUQUE DE CAXIAS/BR
 VIBRA ENERGIA S.A., DUQUE DE CAXIAS/BR
 WILHELM HOYER B.V. & CO. KG, VISSSELHÖVEDE/DE
 WOLF OIL CORPORATION N.V., HEMIKSEM/BE
 ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE

Trade name (03E)

AMBRA MULTI G (SAE 10W-30)
 AMBRA MULTI G (SAE 10W-30)
 AMBRA MULTI G (SAE 10W-30)
 GEAR OIL UTTO SILVER 10W-30
 RAVENOL GETRIEBEOEL UTTO
 RAVENOL UTTO SYNTHETIC
 REPSOL ORION UTTO
 SDF UTTO
 DF UTTO
 UNIVERSAL TRANSMISSION OIL 68
 SAVSOL 315 HAT
 SENLUBE GEAR LONGLIFE
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S6 TXME
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S4 TXM-I
 SEANON DEDICATED TRANSMISSION OIL 10W-30
 SINOPEC GREATWALL UTTO
 SINOPEC UTTO
 SRS HYDROFLUID A
 TOTAL DYNATRANS MPX
 TRACTELF NG
 FLUID G2 VARIO
 UNITRAC 80W
 LUBRAX UNITRACTOR SAE 10W-30
 LUBRAX UNITRACTOR 10W-30
 HOYER AGRI M-UP
 WOLF TRACTOFLUID 170 BM
 DIVINOL HGB CVT

ZF approval number

ZF009467
 ZF011980
 ZF011937
 ZF000958
 ZF001718
 ZF008204
 ZF003445
 ZF002229
 ZF002230
 ZF000707
 ZF001131
 ZF008341
 ZF000357
 ZF000358
 ZF000359
 ZF001295
 ZF001613
 ZF003325
 ZF005938
 ZF008286
 ZF001959
 ZF000105
 ZF004916
 ZF004867
 ZF002222
 ZF008262
 ZF009470
 ZF002041
 ZF001366
 ZF010660
 ZF011996
 ZF005951
 ZF011927

Lubricant class 03F

Universal axle and transmission oil in accordance with JDM J20D

Manufacturer (03F)

JOHN DEERE, MOLINE, ILLINOIS/US
SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB

Trade name (03F)

JOHN DEERE LOW VISCOSITY HY-GARD
SHELL SPIRAX S3 TLV
SHELL SPIRAX S3 TLV

ZF approval number

ZF001498
ZF000365
ZF001848

Lubricant class 03G
Premium universal axle and transmission oil

Manufacturer (03G)	Trade name (03G)	ZF approval number
SINOPEC LUBRICANT CO., LTD., BEIJING/CN	SINOPEC GREATWALL HD DRIVE AXLE OIL	ZF002162
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE	ZF POWERFLUID PLUS	ZF005995
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE	ZF POWERFLUID C-PLUS (GOLD 1)	ZF002087

Lubricant class 03H

Biodegradable lubricants

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

Viscosity grade: SAE 75W-80, 10W-30

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 DISTRIBUTION AG, STEINHAUSEN/CH

Trade name (03H)

SHELL PANOLIN BIOFLUID ZFH

ZF approval number

ZF012029

Lubricant class 03K

Engine oil

(API CI-4 Plus/CJ-4/CK-4/SM or ACEA, category E9)

Viscosity grades: SAE 0W-30 / 0W-40 / 5W-30 / 5W-40 / 10W / 20W-20 / 30 / 10W-30 / 10W-40 / 15W-30 / 15W-40 / 20W-40

Manufacturer (03K)

CHEVRON LUBRICANTS, SAN RAMON, CA/US
CHEVRON LUBRICANTS, SAN RAMON, CA/US
CHEVRON LUBRICANTS, SAN RAMON, CA/US
JOHN DEERE, MOLINE, ILLINOIS/US
JOHN DEERE, MOLINE, ILLINOIS/US
JOHN DEERE, MOLINE, ILLINOIS/US

Trade name (03K)

URSA ULTRA LE 10W-30
DELO 400 XLE SAE 10W-30
DELO 400 XLE SAE 10W-30
JOHN DEERE PLUS 50 II 15W-40
JOHN DEERE PLUS 50 II 10W-30
JOHN DEERE PLUS 50 II 0W-40

ZF approval number

ZF001550
ZF011951
ZF003501
ZF001395
ZF001486
ZF001487

Lubricant class 03L**Universal axle and transmission oil****Manufacturer (03L)**

AVIA AG, MÜNCHEN/DE
 BELL EQUIPMENT GROUP SERVICES (PTY) LTD, RICHARDS BAY/ZA
 ENGEN PETROLEUM (PTY) LIMITED, CAPE TOWN/ZA
 FUCHS PETROLUB SE, MANNHEIM/DE
 HUILES BERLIET S.A., SAINT-PRIEST/FR
 JOHN DEERE, MOLINE, ILLINOIS/US
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
 SENNEBOGEN MASCHINENFABRIK GMBH, STEINACH/DE
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 VIBRA ENERGIA S.A., DUQUE DE CAXIAS/BR

Trade name (03L)

AVIA HYDROFLUID TD
 BELL UTTO ULTRA
 ENGEN AGRIFLUID
 FUCHS TITAN AGRIFARM UTTO MP
 EPMF
 JOHN DEERE HY-GARD
 LIEBHERR GEAR MF 80W
 LIEBHERR GEAR MF 80W
 SENLUBE GEAR LONGLIFE
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S6 TXME
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S4 TXM-I
 LUBRAX UNITRACTOR 10W-30

ZF approval number

ZF001811
 ZF012243
 ZF010627
 ZF002183
 ZF008266
 ZF001223
 ZF001856
 ZF004844
 ZF008341
 ZF000357
 ZF000358
 ZF000359
 ZF001295
 ZF001613
 ZF003325
 ZF005938
 ZF008286
 ZF010660

Lubricant class 03M
Automatic Transmission Fluids (ATF)

Manufacturer (03M)	Trade name (03M)	ZF approval number
BASF SE, LUDWIGSHAFEN/DE	EMGARD 2805	ZF003370
CASTROL LTD, LONDON/GB	CASTROL TRANSYND	ZF000226
CASTROL LTD, LONDON/GB	TES-295 SYN TRANSMISSION FLUID	ZF002298
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBIL DELVAC 1 ATF	ZF001827
JOHN DEERE, MOLINE, ILLINOIS/US	HD SYNTHETIC TRANSMISSION FLUID	ZF004851