

**Tractor axles, transmissions for harvesters
and final drives****List of lubricants TE-ML 21**

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1. Approved lubricant classes

Product groups	Lubricant classes ⁽¹⁾	
	First fill ⁽²⁾	Service fills ⁽³⁾
Axles APL-300, APL-700 AS-2000, AS-3000 TerraSteerAxle (TSA), TerraDriveAxle (TDA)	21C / 21D 21C / 21D / 21F / 21G	21C / 21D / 21F / 21G 21C / 21D / 21F / 21G
Transmissions for harvesters 2MD40 3MD30, 3MD35, 3MD40	21A	21A
ZF-half-shafts (planetary final drives) for tractor transmissions Eccom, Terramatic, Terrapower, T-7000 and S-Matic	21A / 21B / 21C / 21D / 21G	21A / 21B / 21C / 21D / 21G
Final drives for harvesters S-800, S-950, S-1050, S-1250	21A	21A

The list of lubricants TE-ML 21, **edition 01-JUL-16** 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
www.zf.com/contact

2. Oil change intervals








2.1 Initial oil change interval

Lubricant classes	21A	21B	21C/21D	21F / 21G
Product groups	Initial oil change interval			
Axles	-	-	1000 h	1000 h
Transmissions for harvesters	500 h	-	-	-
ZF-half-shafts	500 h	500 h	500 h	500 h
Final drives for harvesters	500 h	-	-	-

2.2 Subsequent oil change interval

Lubricant classes	21A	21B	21C/21D	21F / 21G
Product groups	Subsequent oil change interval			
Axles	-	-	1000 h	1500 h
Transmissions for harvesters	1000 h	-	-	-
ZF-half-shafts	1000 h	1000 h	1000 h	1000 h
Final drives for harvesters	1000 h	-	-	-

3. Hydraulic fluids

Product group	Lubricant classes for service fills ⁽¹⁾	Use at outside temperatures above
Brake hydraulics, hydraulic differential lock (DHL) and steering	21L	- 40°C 
	lubricants in accordance with JDM J20D	- 40°C 
	21F (only lubricants in accordance with JDM J20C), 21G	- 30°C 
	21K	- 30°C 
	21M (ISO VG 32)	- 40°C  + 20°C
	21M (ISO VG 46)	- 10°C 
	21M (ISO VG 68)	- 5°C 

4. Greasing points

Product groups	Lubricating grease
All	Lithium saponified multipurpose grease of NLGI class 2 which is mixable with mineral oil (grease code KP2K-30 in acc. with DIN 51825 or ISO-L-XCCHB2 in accordance with ISO 6743-9). Lubricating interval acc. to corresponding lubricating and maintenance specifications.

5. Explanation of footnotes and comments

Footnotes

- (1) **Refer to the following pages for approved commercial products.**
- (2) First filling: The lubricant classes listed are compulsory for initial fillings of transmissions as well as fillings during transmission break-in (under 1,000h).
- (3) Service filling: The lubricant classes listed are compulsory for service oil changes according to the oil-change intervals mentioned under Section 2.2.

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.

6. Lubricant classes and approved trade products

Lubricant class 21A

Gear oil

Viscosity grades: SAE 75W-90 / 75W-110 / 75W-140 / 80W-90 / 80W-110 / 80W-140 / 85W-90 / 85W-110 / 85W-140 / 90

Manufacturer (21A)

ADDINOL LUBE OIL GMBH, LEUNA/DE
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 ARAL AG, BOCHUM/DE
 ARAL AG, BOCHUM/DE
 ARAL AG, BOCHUM/DE
 ARAL AG, BOCHUM/DE
 AVISTA OIL REFINING & TRADING DEUTSCHLAN, UETZE/DE
 AVISTA OIL REFINING & TRADING DEUTSCHLAN, UETZE/DE
 BAHRAIN PETROLEUM COMPANY, AWALI /BH
 BAHRAIN PETROLEUM COMPANY, AWALI /BH
 BAHRAIN PETROLEUM COMPANY, AWALI /BH
 BAYWA AG MÜNCHEN, MÜNCHEN/DE
 BAYWA AG MÜNCHEN, MÜNCHEN/DE
 BP PLC., LONDON/GB
 BP PLC., LONDON/GB
 BP PLC., LONDON/GB
 BP PLC., LONDON/GB
 BP PLC., LONDON/GB
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CEPSA COMERCIAL PETRÓLEO, MADRID/ES
 CEPSA COMERCIAL PETRÓLEO, MADRID/ES
 CEPSA COMERCIAL PETRÓLEO, MADRID/ES
 CEPSA 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
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CYCLON HELLAS SA, ATHENS/GR
 DE OLIEBRON BV, ZWIJNDRECHT/NL
 DEUTSCHE PENTOSIN WERKE GMBH, WEDEL/DE
 DEUTSCHE PENTOSIN WERKE GMBH, WEDEL/DE
 DEUTSCHE PENTOSIN WERKE GMBH, WEDEL/DE
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 FABRIKA MAZIVA FAM AD, KRUSĚVAC/RS
 FABRIKA MAZIVA FAM AD, KRUSĚVAC/RS
 FABRIKA MAZIVA FAM AD, KRUSĚVAC/RS
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GEORG OEST MINERALÖLWERK GMBH & CO.KG, FREUDENSTADT/DE
 GEORG OEST MINERALÖLWERK GMBH & CO.KG, FREUDENSTADT/DE
 GERMAN MIRROR LUBRICANTS AND GREASES, SHARJAH/AE
 GERMAN MIRROR LUBRICANTS AND GREASES, SHARJAH/AE
 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
 GULF OIL INTERNATIONAL, MUMBAI/IN
 GULF OIL INTERNATIONAL, MUMBAI/IN
 GULF OIL INTERNATIONAL, MUMBAI/IN
 GULF OIL INTERNATIONAL, MUMBAI/IN
 HARMS MINERALÖLE, PRISDORF/DE
 HILL CORPORATION, SHYMKENT/KZ
 HUILES BERLIET S.A., SAINT-PRIEST/FR

Trade name (21A)

ADDINOL GETRIEBEÖL GH 85W-90
 ADDINOL GETRIEBEÖL GH 80W-90
 ADDINOL GETRIEBEÖL GX 80W-90 ML
 ARAL GETRIEBEÖL SNA-D 80W-90
 ARAL GETRIEBEÖL EP PLUS 80W-90
 ARAL GETRIEBEÖL HYP 85W-90
 ARAL GETRIEBEÖL HYP 85W-140
 PENNASOL HYPOID GEAR OIL GL 5 SAE 90
 PENNASOL MULTIGRADE HYPOID GEAR OIL GL 5 SAE 80W90
 SPAREX EP 85W-140 GL-5
 SPAREX EP 80W-90 GL-5
 SPAREX EP 90 GL-5
 TECTROL MULTIGEAR HYP 90
 TECTROL MULTIGEAR PLUS 8090
 BP ENERGEAR HT 80W-90
 BP ENERGEAR HYPO XL 80W-90
 BP ENERGEAR HYPO 90
 BP ENERGEAR HYPO 85W-140
 BP ENERGEAR HYPO 80W-90
 GEAR ZX TP SAE 80W/90
 GEAR ZX TP SAE 80W/140
 UNIVERSAL SAE 80W/90
 GEAR OIL HYPOID SAE80W/90
 CASTROL SYNTRAX UNIVERSAL 80W-90
 CASTROL AXLE LONG DRAIN 80W-90
 CASTROL AXLE EPX 90
 CASTROL AXLE EPX 85W-140
 CASTROL AXLE EPX 80W-90
 CASTROL AXLE EPX 80W-90
 CEPSA TRANSMISIONES EP 80W-90
 CEPSA TRANSMISIONES EP 85W-140
 CEPSA TRANSMISIONES EP 90
 MAN SUPER AXLE 342-M2
 HYPOID LD SAE 85W-90
 GEARTEX EP-B 85W-90
 GEARTEX EP-C 80W-90
 GEARTEX EP-C 85W-140
 MULTIGEAR 80W-90
 MULTIGEAR PREMIUM EP SAE 85W-140
 RPM UNIVERSAL GEAR LUBRICANT SAE 80W-90
 MULTIGEAR EP SAE 90
 THUBAN GL-5 EP SAE 85W-140
 GEAR EP GL-5 80W-90
 TOR SUPER GEAR OIL 80W90
 PENTOSIN GETRIEBEÖL O-226 80W-90
 PENTOSIN G5 85W-90
 PENTOSIN TRX 85W-110
 MOBILUBE HD-A PLUS 80W-90
 MOBILUBE HD-A 85W-90
 MOBILUBE S 80W-90
 MULTIHIPO PLUS 80W-90
 MULTIHIPO 80W-90 F PLUS
 MULTIHIPO 80W-140 F PLUS
 FUCHS TITAN GEAR HYP LD SAE 80W-90
 FUCHS TITAN SUPERGEAR SAE 80W-90
 FUCHS TITAN SUPERGEAR SAE 85W-140
 FUCHS TITAN GEAR HYP SAE 90
 FUCHS TITAN SUPERGEAR MC SAE 80W-90
 G-TRUCK GL-4/GL-5 80W-90
 G-TRUCK GL-5 80W-90
 G-TRUCK GL-5 85W-140
 GAZPROMNEFT SUPER T-3 SAE 85W90
 GAZPROMNEFT GL-5 80W-90
 OEST GETRIEBEÖL FE SAE 80W-90 GL4/5
 OEST MEHRZWECK-GETRIEBEÖL SPEZIAL SAE 85W-90
 MIRR GEAR OIL API GL-5 SAE 80W90
 MIRR GEAR OIL API GL-5 SAE 85W90
 TITANIS SUPER GL-5 80W/140
 LOTOS TITANIS GL-5 80W-90
 TITANIS SUPER GL-5 80W-90
 GULF GEAR TDL 80W-90
 GULF GEAR DB 80W-90
 GULF GEAR DB 90
 GULF GEAR DB 85W-90
 GULF GEAR LD 80W-90
 GULF GEAR HD 85W-90
 GULF GEAR LD 80W-90
 OILFINO VARIUS G 500 80W-90
 FASTROIL TRANSMISSION I 80W-90 GL-5
 RTO LONGEVIA TC ECO 80W-90

ZF approval number

ZF000555
 ZF000671
 ZF000672
 ZF000135
 ZF000460
 ZF000464
 ZF000930
 ZF000680
 ZF000681
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 ZF000780
 ZF000879
 ZF000886
 ZF000887
 ZF001134
 ZF001151
 ZF001950
 ZF000741
 ZF001009
 ZF001564

Manufacturer (21A)

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
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 STATOIL LUBRICANTS, STOCKHOLM/SE
 TEDEX S.A., WARSZAWA/PL
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR
 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
 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
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 UNIL OPAL, SAUMUR/FR
 VALVOLINE AUSTRALIA PTY LTD, WETHERILL PARK, NSW/AU
 VALVOLINE EMEA, DORDRECHT/NL
 VALVOLINE EMEA, DORDRECHT/NL
 VIAL OIL LTD., FRYAZINO/RU
 YORK LUBRICANTS - GINOUVES SAS, LA GARDE/FR
 YORK LUBRICANTS - GINOUVES SAS, LA GARDE/FR
 ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE
 ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

Trade name (21A)

SHELL SPIRAX S3 AD 80W-90
 SHELL SPIRAX S3 AM 80W-90
 SHELL SPIRAX HD 80W- 90
 SHELL SPIRAX HD 80W- 90
 SHELL SPIRAX HD 80W- 90
 SHELL SPIRAX S4 AX (80W-90)
 SHELL SPIRAX S4 AX (80W-90)
 SHELL SPIRAX S4 AX (80W-90)
 SHELL SPIRAX S4 AX (80W-90)
 SRS WIOLIN HYPOID-GETRIEBEÖL 80W-90
 SRS WIOLIN HYPOID-GETRIEBEÖL 85W-140
 SRS WIOLIN HYPOID-GETRIEBEÖL 90
 SRS GETRIEBEFLUID SML 80W-90
 SRS WIOLIN HL 5 SAE 80W-90
 SRS WIOLIN HL 5 SAE 85W-90
 GEARWAY G5 80W-90
 TEDEX SUPER GEAR OIL (TDL) SAE 80W-90
 TEXSA GEAR MULTI GL-5 85W140
 TEXSA GEAR MULTI GL-5 90
 TEXSA GEAR MULTI GL-5 80W90
 TOTAL TRANSMISSION XPM 80W-90
 TOTAL TRANSMISSION TM 85W-140
 FINA PONTONIC MP 85W-140
 TOTAL EP B 85W-140
 TOTAL TRANSMISSION AXLE 7 85W-90
 TOTAL TRANSMISSION AXLE 8 FE 80W-140
 TOTAL TRANSMISSION AXLE 9 80W-90
 TOTAL TRANSMISSION AXLE 7 85W-140
 ELF TRANSELF TYPE B 90
 GEAR ZF 80W90
 GEAR OIL GL-5 XTREME SAE 80W-90
 VALVOLINE HEAVY DUTY AXLE OIL PRO 80W-90 LD
 VALVOLINE HEAVY DUTY AXLE OIL PRO 80W-90
 CONSOL TRANS LUX 80W-90
 YORK 793 SAE 80W90
 YORK 793 SAE 85W140
 DIVINOL MULTI-AXLE 80W90
 ZF-ECOFLUID X SAE 80W-90

ZF approval number

ZF001237
 ZF001292
 ZF001352
 ZF001353
 ZF001354
 ZF001619
 ZF001620
 ZF001621
 ZF000441
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 ZF001911
 ZF001912
 ZF001036
 ZF001342
 ZF001458
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 ZF001942
 ZF000484
 ZF001521
 ZF001559
 ZF001573
 ZF001774
 ZF001775
 ZF001778
 ZF001846
 ZF001846
 ZF002069
 ZF000343
 ZF001720
 ZF001837
 ZF001869
 ZF000587
 ZF001129
 ZF001130
 ZF001684
 ZF001266

Lubricant class 21B**Gear oil**

Viscosity grades: SAE 75W-90 / 75W-110 / 75W-140 / 80W-90 / 80W-110 / 80W-140 / 85W-90 / 85W-110 / 85W-140 / 90

Manufacturer (21B)

ARAL AG, BOCHUM/DE
 ARAL AG, BOCHUM/DE
 BASF SE, LUDWIGSHAFEN/DE
 BP PLC., LONDON/GB
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CEPESA COMERCIAL PETRÓLEO, MADRID/ES
 CEPESA COMERCIAL PETRÓLEO, MADRID/ES
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CONDAT LUBRIFIANTS, CHASSE SUR RHONE/FR
 DE OLIEBRON BV, ZWIJNDRECHT/NL
 DE OLIEBRON BV, ZWIJNDRECHT/NL
 DEEP OIL TRADING COMPANY LLP, LONDON/GB
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 FABRIKA MAZIVA FAM AD, KRUSÉVAC/RS
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GEORG OEST MINERALÖLWERK GMBH & CO.KG, FREUDENSTADT/DE
 GRUPA LOTOS S.A., GDANSK/PL
 GULF OIL INTERNATIONAL, MUMBAI/IN
 HUILES BERLIET S.A., SAINT-PIERRE/FR
 IGOL FRANCE, AMIENS/FR
 INA MAZIVA LTD., ZAGREB/HR
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
 LIQUI MOLY GMBH, ULM/DE
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE
 MOTUL SA, AUBERVILLIERS/FR
 NIS AD, NOVI SAD/RS
 OMV PETROL OFISI A.S., ISTANBUL/TR
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OY TEBOIL AB, HELSINKI/FI
 PAKELO MOTOR OIL, SAN BONIFACIO (VR)/IT
 PANOLIN AG, MADETSWIL/CH
 PANOLIN AG, MADETSWIL/CH
 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
 PHI OIL GMBH, ST. GEORGEN/AT
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 SASOL OIL, RANDBURG/ZA
 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
 STATOIL LUBRICANTS, STOCKHOLM/SE
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 VALVOLINE EMEA, DORDRECHT/NL
 VALVOLINE EMEA, DORDRECHT/NL
 VEEDOL INTERNATIONAL LIMITED, GLASGOW/GB
 VIAL OIL LTD., FRYAZINO/RU
 YACCO SAS, ST PIERRE LES ELBEUF/FR
 YORK LUBRICANTS - GINOUVES SAS, LA GARDE/FR

Trade name (21B)

ARAL GETRIEBEÖL BS 75W-90
 ARAL GETRIEBEÖL SNA-E 75W-90
 EMGARD UAF 7105
 BP ENERGEGEAR SHX-M 75W-90
 UNISYNT ZX SAE 75W90
 CASTROL SYNTRAX LONG LIFE 75W-90
 SYNTRAX UNIVERSAL PLUS 75W-90
 CEPESA TRANSMISIONES EP FE+LD 75W-90
 MAN SUPER AXLE 3343 75W-90
 MULTIGEAR S 75W-90
 MULTIGEAR S 75W-140
 GEAR TXS 75W90
 TOR UNI GEAR LD 75W90
 TOR UNI GEAR 75W110 LD
 DRIVE RW FORCE S GL-5 75W-90
 MOBILUBE 1 SHC 75W-90
 MOBIL DELVAC SYNTHETIC GEAR OIL 75W-90
 MOBIL DELVAC SYNTHETIC GEAR OIL 80W-140
 MOBIL DELVAC 1 GEAR OIL 75W-90
 MOBIL DELVAC 1 GEAR OIL 80W-140
 MULTIHIPO 75W-90 SINT
 FUCHS TITAN CYTRAC HSY SAE 75W-90
 FUCHS TITAN CYTRAC RR SAE 75W-90
 G-BOX GL-4/GL-5 75W-90
 OEST SYNTH GETRIEBEÖL SAE 75W-90
 TITANIS SUPER GL-5 75W/90
 GULF SYNGEAR 75W-90
 RTO LONGEVIA TCX ECO 75W-90
 SYNTHEGEAR 75W-90
 INA HIPENOL SHD 75W-90
 Q8 TRANS XGS 75W-90
 Q8 TRANS XGR 75W-140
 Q8 T 66 SAE 75W-110
 LIEBHERR SYNTOGEAR PLUS 75W-90
 LIQUI MOLY VOLLSYN. HYPOID GETR.ÖL TRUCK (75W-90)
 MEGOL GETRIEBEOEL TRUCK-SYNTH SAE 75W-90
 MOTUL GEAR SYNTH TDL 75W-90
 NISOTEC HIPO SINT TDL SAE 75W-90
 MAXIGEAR D 75W-90
 LUKOIL TRANSMISSION TM-4/5 75W-90
 LUKOIL TRANSMISSION UNI S 75W-90
 TEBOIL HYPOID SAE 75W-90
 GLOBAL MULTIGEAR TS SAE 75W/90
 PANOLIN SUPER DUTY SYNTH 75W/140
 PANOLIN SUPER DUTY SYNTH 75W/90
 GALP TRANSVEX TDL 75W90
 TUTELA TRANSMISSION X-ROAD (75W-140)
 TUTELA TRANSMISSION STARGEAR AX-ED (SAE 75W-90)
 TUTELA TRANSMISSION FE-AXLE (SAE 75W-90)
 TUTELA TRANSMISSION STARGEAR AX-ED (SAE 75W-90)
 UNIGEAR GOLD 75W90
 RAVENOL TDG 75W-110
 REPSOL CARTAGO FE LD 75W90
 SYN GEAR DIFFERENTIAL OIL 75W-90
 SHELL SPIRAX S6 AXME 75W-90
 SHELL SPIRAX S6 AXME 75W-140
 SHELL SPIRAX S6 AXME 75W-90
 SHELL SPIRAX S 75W-140
 SHELL SPIRAX S6 AXME 75W-90
 SINOPEC GREATWALL VT 75W/90
 SRS GETRIEBEFLUID SXL 75W-90
 GEARWAY S5 75W-90
 TOTAL TRANSMISSION SYN FE 75W-90
 FINA PONTONIC FDL 75W-90
 ELF TRANSELF SYNTHSE FE 75W-90
 TOTAL TRANSMISSION DUAL 9 FE 75W-90
 VALVOLINE HEAVY DUTY TDL PRO 75W-90
 VALVOLINE HEAVY DUTY AXLE OIL PRO 75W-140
 VEEDOL TRANSMISSION SYNTHETIC LD 75W-90
 CONSOL TRANS LUX 75W-90
 BVX 1000 75W-90
 YORK 896 75W90

ZF approval number

ZF000133
 ZF000142
 ZF001876
 ZF000208
 ZF000354
 ZF000230
 ZF001471
 ZF000086
 ZF000965
 ZF000815
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 ZF001030
 ZF001514
 ZF001552
 ZF001555
 ZF001771
 ZF001283
 ZF001874
 ZF001629
 ZF000591
 ZF001612
 ZF000550

Lubricant class 21C

Gear oil with limited-slip-additives

Viscosity grades: SAE 75W-90 / 75W-110 / 75W-140 / 80W-90 / 80W-110 / 80W-140 / 85W-90 / 85W-110 / 85W-140 / 90

Manufacturer (21C)

ADDINOL LUBE OIL GMBH, LEUNA/DE
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 ARAL AG, BOCHUM/DE
 AVISTA OIL REFINING & TRADING DEUTSCHLAN, UETZE/DE
 BAYWA AG MÜNCHEN, MÜNCHEN/DE
 BP PLC., LONDON/GB
 BP PLC., LONDON/GB
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CEPSA 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
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CLAAS KGAA MBH, HARSEWINKEL/DE
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 FUCHS PETROLUB SE, MANNHEIM/DE
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GEORG OEST MINERALÖLWERK GMBH & CO.KG, FREUDENSTADT/DE
 GRUPA LOTOS S.A., GDANSK/PL
 GRUPA LOTOS S.A., GDANSK/PL
 GS CALTEX CORPORATION, SEOUL/KR
 GULF OIL INTERNATIONAL, MUMBAI/IN
 HARMS MINERALÖLE, PRISDORF/DE
 HINDUSTAN PETROLEUM CORPORATION LTD., MUMBAI/IN
 INA MAZIVA LTD., ZAGREB/HR
 INDIAN OIL CORPORATION LTD, MUMBAI/IN
 INDIAN OIL CORPORATION LTD, MUMBAI/IN
 JOHN DEERE, MOLINE, ILLINOIS/US
 JOHN DEERE, MOLINE, ILLINOIS/US
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
 LIQUI MOLY GMBH, ULM/DE
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE
 MOL-LUB KFT, ALMASFUZITO/HU
 MOL-LUB KFT, ALMASFUZITO/HU
 MORRIS LUBRICANTS, SHREWSBURY/GB
 NORTHLAND PRODUCTS COMPANY, WATERLOO, IOWA/US
 NORTHLAND PRODUCTS COMPANY, WATERLOO, IOWA/US
 NOVA STILMOIL SPA, MODENA/IT
 OMV PETROL OFISI A.S., ISTANBUL/TR
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 PAKELO MOTOR OIL, SAN BONIFACIO (VR)/IT
 PANOLIN AG, MADETSWIL/CH
 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
 PHI OIL GMBH, ST. GEORGEN/AT
 PROFIL-TECH GMBH, FRIEDRICHSHAFEN/DE
 PTT PUBLIC COMPANY LIMITED, BANGKOK/TH
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 RN-LUBRICANTS, LLC, MOSCOW/RU
 RN-LUBRICANTS, LLC, MOSCOW/RU
 RN-LUBRICANTS, LLC, MOSCOW/RU
 SASOL OIL, RANDBURG/ZA
 SAVITA OIL TECHNOLOGIES LIMITED, MUMBAI/IN
 SAVITA OIL TECHNOLOGIES LIMITED, MUMBAI/IN
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 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
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 UNIL OPAL, SAUMUR/FR
 VALVOLINE CUMMINS PVT LIMITED, GURGAON/IN
 YACCO SAS, ST PIERRE LES ELBEUF/FR

Trade name (21C)

ADDINOL GETRIEBEÖL GH 85W-90 LS
 ADDINOL GETRIEBEÖL GH 80W-90 LS
 ARAL GETRIEBEÖL HYP LS 85W-90
 PENNASOL LIMITED SLIP HYPOID GEAR OIL LS SAE 90
 TECTROL MULTIGEAR LS 90
 BP ENERGEGEAR LIMSLIP 90
 BP ENERGEGEAR LIMSLIP 90
 MOTOREX UNIVERSAL LS SAE 90
 CASTROL AXLE Z LIMITED SLIP 90
 CASTROL AXLE Z LIMITED SLIP 90
 CASTROL AXLE Z LIMITED SLIP 85W-90
 CEPSA AURIGA LS PLUS 80W-90
 GEAR OIL ZF SAE 80W-90
 GEARTEX LS 80W-90
 GEARTEX LS 85W-90
 GEARTEX LS SAE 85W-140
 CLAAS AGRISHIFT BLS 90
 MOBILUBE LS 85W-90
 ESSO GEAR OIL LSA LS 85W-90
 FUCHS TITAN GEAR LS SAE 90
 G-TRUCK LS 80W-90
 G-TRUCK LS 85W-140
 G-TRUCK LS 85W-90
 OEST GETRIEBEÖL HYPOID LS 90
 LOTOS TITANIS LS GL-5 80W-90
 LOTOS TITANIS LS GL-5 SAE 85W-140
 DOOSAN LS GEAR OIL 80W90
 GULF GEAR LS 90
 OILFINO VARIUS G 400LS 85W-90
 HP GEAR OIL ZFL 80W 90 LS
 INA HIPENOL GTL LS 90
 SERVO GEAR SUPER LS 90
 SERVO GEAR SUPER LS 80W-90
 JOHN DEERE GL-5 GEAR LUBRICANT W/LS ADD 80W-90
 JOHN DEERE GL-5 GEAR LUBRICANT W/LS ADD 85W-140
 Q8 T 45 SAE 90
 LIEBHERR GEAR BASIC 90 LS
 LIQUI MOLY HYPOID-GETRIEBEÖL PLUS GL 5 LS 85W-90
 MEGOL HYPOID-GETRIEBEÖL AXLE LS SAE 85W-90
 MOL HYKOMOL LS 85W140
 MOL HYKOMOL LS 85W90
 TERRAIN LS 80W-90
 POSI-GRIP JDZF 80W90
 POSI-GRIP JDZF 85W140
 GEARING WONDER LS SAE 85W90
 MAXIGEAR EP-X 85W-90LS
 LUKOIL TRANSMISSION LS TM-5 80W-90
 LUKOIL TRANSMISSION LS 85W-90
 PLATINUM GEAR LS 80W-90
 PLATINUM AGRO LS 80W-90
 PLATINUM GEAR LS 85W-140
 UNIVERSAL GEAR EP LS SAE 85W90
 PANOLIN SUPER DUTY LS 90
 GALP LS 90
 AMBRA AXF 80W-90 (SAE 80W-90)
 AKCELA AXLEPOWER (SAE 80W-90)
 AKROS AXLEGEAR 80W-90 (SAE 80W-90)
 TUTELA TRANSMISSION W90/LS (SAE 80W-90)
 ARBOR TTF (SAE 80W-90)
 SUPERGEAR BRONZE 85W90 LS
 PROFIL-CAR PERFORMANCE GEAR SAE 90 LIMITED SLIP LS
 PTT LIMITED SLIP (SAE 80W-90)
 RAVENOL SPERRDIFF.-GETR.-OEL LS 90
 REPSOL CARTAGO EP AUTOBLOCANTE SAE 80W90
 TNK TRANS GIPOID LS 80W-90
 TNK TRANS GIPOID LS 85W-90
 TNK TRANS GIPOID LS SAE 90
 SASOL DIFFERENTIAL OIL LIMITED SLIP 80W-90
 SAVSOL AUTOGEAR 85W140 LIMITED SLIP GL5
 SAVSOL AUTOGEAR 90 LIMITED SLIP GL-5
 SHELL SPIRAX S3 ALS 80W-90
 SINOPEC GREATWALL ZLS GL-5 85W/90
 SRS WIOLIN RSH
 TOTAL DYNATRANS DA 80W-90
 TOTAL DYNATRANS DA 85W-140
 TOTAL DYNATRANS LS 80W-90
 ELF TRACTELF BLS 80W-90
 FINA TRANSFLUID LS 80W-90
 GULF LS REAR AXLE 80W-90
 GEAR AB-EP 85W90
 GEAR DURA 80W90 LS
 BVX LS 200 80W-90

ZF approval number

ZF000629
 ZF000703
 ZF000465
 ZF000844
 ZF001167
 ZF000206
 ZF001953
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 ZF001546
 ZF001547
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 ZF000526
 ZF001465
 ZF001614

Lubricant class 21D

Gear oil with limited-slip-additives

Viscosity grades: SAE 75W-90 / 75W-110 / 75W-140 / 80W-90 / 80W-110 / 80W-140 / 85W-90 / 85W-110 / 85W-140 / 90

Manufacturer (21D)

ARAL AG, BOCHUM/DE
CASTROL LTD, LONDON/GB
EXXONMOBIL CORPORATION, HOUSTON, TX/US

Trade name (21D)

ARAL GETRIEBEÖL BS-LSX 75W-140
CASTROL SYNTRAX LIMITED SLIP 75W-140
GEARLUBE VS 500

ZF approval number

ZF000140
ZF000269
ZF000851

Lubricant class 21F**Universal axle and transmission oil****Manufacturer (21F)**

ADDINOL LUBE OIL GMBH, LEUNA/DE
ADDINOL LUBE OIL GMBH, LEUNA/DE
ARAL AG, BOCHUM/DE
AVIA MINERALÖL-AG, MÜNCHEN/DE
BAYWA AG MÜNCHEN, MÜNCHEN/DE
BAYWA AG MÜNCHEN, MÜNCHEN/DE
BP PLC., LONDON/GB
BP PLC., LONDON/GB
BUCHER AG LANGENTHAL, LANGENTHAL/CH
BUCHER AG LANGENTHAL, LANGENTHAL/CH
CASTROL LTD, LONDON/GB
CASTROL LTD, LONDON/GB
CASTROL LTD, LONDON/GB
CASTROL LTD, LONDON/GB
CATERPILLAR, INC., MOSSVILLE/US
CEPSA COMERCIAL PETRÓLEO, MADRID/ES
CHEVRON LUBRICANTS, SAN RAMON, CA/US
CHEVRON LUBRICANTS, SAN RAMON, CA/US
CHS INC, INVER GROVE HEIGHTS/US
CLAAS KGAA MBH, HARSEWINKEL/DE
DEUTSCHE ÖLWERKE LUBMIN, LUBMIN/DE
EUROL B.V., NJIVERDAL/NL
EXXONMOBIL CORPORATION, HOUSTON, TX/US
EXXONMOBIL CORPORATION, HOUSTON, TX/US
FUCHS PETROLUB SE, MANNHEIM/DE
FUCHS PETROLUB SE, MANNHEIM/DE
GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
GB LUBRICANTS, GATESHEAD/GB
GS CALTEX CORPORATION, SEOUL/KR
GULF OIL INTERNATIONAL, MUMBAI/IN
GULF OIL INTERNATIONAL, MUMBAI/IN
IGOL FRANCE, AMIENS/FR
INA MAZIVA LTD., ZAGREB/HR
INA MAZIVA LTD., ZAGREB/HR
INA MAZIVA LTD., ZAGREB/HR
JCB INDIA, BALLABGARH/IN
JOHN DEERE, MOLINE, ILLINOIS/US
KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
LIQUI MOLY GMBH, ULM/DE
MEGUIN GMBH & CO. KG, SAARLOUIS/DE
OMV PETROL OFISI A.S., ISTANBUL/TR
OPET FUCHS MADENI YAG. SAN. VE TIC. A.S., IZMIR/TR
PAKELO MOTOR OIL, SAN BONIFACIO (VR)/IT
PANOLIN AG, MADETSWIL/CH
PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR
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
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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
RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
SASOL OIL, RANDBURG/ZA
SASOL OIL, RANDBURG/ZA
SAVITA OIL TECHNOLOGIES LIMITED, MUMBAI/IN
SEANON PETROCHEMICAL CO., LTD., LUZHOU, GUANGXI/CN
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
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
VALVOLINE EMEA, DORDRECHT/NL

Trade name (21F)

ADDINOL UTTO SAE 10W-30
ADDINOL UTTO EXTRA (SAE 20W-40)
ARAL FLUID HGS
AVIA HYDROFLUID TD
TECTROL UTTO-ZF
TECTROL UTTO-HF
BP VANELLUS AGRY SUPER TRANSMISSION 80W
BP TRACTRAN TF-10
FARMER POLY 304
MOTOREX UTTO CF
CASTROL AGRI TRANS PLUS CVT 80W
CASTROL AGRI TRANS PLUS 80W
CASTROL AGRI TRANS PLUS 10W-30
CAT MULTIPURPOSE TRACTOR OIL
CEPSA AURIGA TE 55 10W-30
CHEVRON 1000 THF
TEXTRAN TDH PREMIUM
QWIKLIFT HTB
CLAAS AGRISHIFT GA 12
AVENO UTTO
EUROL HYKROL JD 68
MOBILFLUID 424
MOBILFLUID 426
FUCHS TITAN UTTO ZF (SAE 20W-40)
FUCHS TITAN AGRIFARM UTTO MP
G-SPECIAL UTTO 10W-30
GB UNITRANS(R) ZF
DOOSAN AXLE OIL STANDARD
GULF MPTF 10W-30
GULF MPTF 10W-30
TICMA FLUID MU XTREM
INA TRANSHIDROL JD 50
INA TRANSHIDROL ZF 20W-40
INA TRANSHIDROL JD 50
JCB REAR AXLE OIL
JOHN DEERE HY-GARD
Q8 T 2000
Q8 T 2200
LIEBHERR GEAR MF 80W
LIQUI MOLY SPECIAL UTTO
MEGOL TRAKTORENOEL UTTO PREMIUM SAE 10W-30
MAXITRAK TMS OIL 500
OPET FULGEAR FD 80W-140
UTTO FLUID 4 D SAE 10W/30
PANOLIN JD 303
LUBRAS UNITRATOR SAE 10W-30
GALP TRALUB 807 S
AMBRA MULTI G (SAE 10W-30)
AMBRA MULTI G (SAE 10W-30)
AMBRA MULTI G (SAE 10W-30)
AMBRA TRX 20W-40 (SAE 20W-40)
AMBRA TRX 80W-140 (SAE 80W-140)
ARBOR TRW 140 SPECIAL (SAE 80W-140)
AKCELA TRANSAXLE FLUID 20W-40 (SAE 20W-40)
AKCELA TRANSAXLE FLUID 80W-140 (SAE 80W-140)
AKCELA TRANSAXLE FLUID 80W-140 (SAE 80W-140)
AKCELA TRANSAXLE FLUID 20W-40
AMBRA MULTI G (SAE 10W-30)
ARBOR MTF (SAE 10W-30)
AMBRA MULTI G (SAE 10W-30)
AMBRA MULTI G (SAE 10W-30)
AKCELA NEXPLORE (SAE 10W-30)
AKCELA NEXPLORE (SAE 10W-30)
AMBRA MULTI G (SAE 10W-30)
GEAR OIL UTTO SILVER 10W-30
RAVENOL GETRIEBEOL UTTO
UNIVERSAL TRANSMISSION OIL 68
SASOL UNIVERSAL TRANSMISSION OIL RS 68
SAVSOL 315 HAT
SEANON DEDICATED TRANSMISSION OIL 10W-30
SHELL SPIRAX S4 TXM
SHELL SPIRAX S4 TXM
SHELL SPIRAX S4 TXM
SHELL SPIRAX S6 TXME
SHELL SPIRAX S4 TXM
SINOPEC GREATWALL UTTO
SRS HYDROFLUID N
TOTAL DYNATRANS MPV
ELF TRACTELF BF 16
TOTAL DYNATRANS LS 20W-40
TOTAL DYNATRANS MPWB
FLUID VO
UNITRAC 80W

ZF approval number

ZF000509
ZF001845
ZF000457
ZF001811
ZF001161
ZF001678
ZF000210
ZF000897
ZF000590
ZF001158
ZF000302
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ZF001295
ZF001613
ZF000105
ZF000827
ZF000540
ZF001317
ZF001346
ZF001539
ZF000366
ZF002041

Lubricant class 21G

Premium universal axle and transmission oil

Manufacturer (21G)

ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

Trade name (21G)

ZF-POWERFLUID PLUS
ZF-POWERFLUID C-PLUS

ZF approval number

ZF001021
ZF002087

Lubricant class 21K

Engine oil

Viscosity grades: SAE 10W, 10W-30, 10W-40

in accordance with Specification

API CD/CE/CF-4/CF/CG-4/CH-4/CI-4/CI-4 Plus/CJ-4

or SF/SG/SH/SJ/SL/SM

or ACEA, categories A, B, E

Note:

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

Lubricant class 21L

Automatic Transmission Fluid (ATF) based on mineral base fluids according to former Dexron IID, IIIF, IIIG or IIIH specification by General Motors.

Note:

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

Lubricant class 21M

Mineral oil-based hydraulic oil HLP in accordance with DIN 51524-2 or mineral oil-based hydraulic oil HVLP in accordance with DIN 51524-3.

Viscosity grades: ISO VG 32 / 46 / 68

Note:

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