



**Transfer and offset transmissions
for commercial vehicles**

List of lubricants TE-ML 19

Product group	Lubricant classes for service fills (1)	
	Normal operation (2)	Heavy-duty application (3)
VG750, VG754	19A, 19B, 19C	19B, 19C
VG1200, VG1600/300, VG1600/396		
VG2000/300, VG2000/396, VG2010, VG2700, VG2700		
VG3800		
DR500, DR1600, DR1610, DR1620	19A, 19B, 19C	19B, 19C

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

(2) Normal operation: mixed on-highway and off-road operation.

(3) Heavy-duty application: primarily off-road operation (high levels of driving resistance, high loads, low speed).

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

The list of lubricants TE-ML 19, **Edition 01.01.2008** 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
Telefon: + 49 7541 77 7181
Telefax: + 49 7541 77 7319

ZF Passau GmbH
D-94030 Passau

Oil change intervals

	Normal operation (2)	Heavy-duty application (3)
Oil level check	10.000 km	10.000 km
Initial oil change	maximum 1,500 km	maximum 1,500 km
Oil change and cleaning of breather	60,000 km (4) 1 year	20,000 km (4) 1 year

(2) Normal operation: mixed on-highway and off-road operation.

(3) Heavy-duty application: primarily off-road operation (high levels of driving resistance, high loads, low speed).

(4) Oil change required, depending on what occurs first.

Low temperatures limits

viscosity grades	Lubricant classes	Use at outside temperatures above
SAE 75W-90, 75W-110, 75W-140	19C	- 40 °C
SAE 80W-90	19A, 19B	- 26 °C
SAE 85W-90	19A, 19B	- 12 °C
SAE 90	19A, 19B	- 5 °C

Lubricant class 19A

Gear oil (mineral oil-based)

Viscosity grades: SAE 80W-90 / 85W-90 / 90

Manufacturer (19A)

ADDINOL LUBE OIL GMBH, LEUNA/D
 AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D
 ARAL AG, BOCHUM/D
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH
 BP INTERNATIONAL, PANGBOURNE, READING/GB
 BP INTERNATIONAL, PANGBOURNE, READING/GB
 BP INTERNATIONAL, PANGBOURNE, READING/GB
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 CALPAM MINERALÖL-GMBH, ASCHAFFENBURG/D
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB
 CEPSA LUBRICANTS S.A., MADRID/E
 CEPSA LUBRICANTS S.A., MADRID/E
 CHEVRONTEXACO, GHENT/B
 CHEVRONTEXACO, GHENT/B
 CHEVRONTEXACO, SYDNEY/AUS
 CHEVRONTEXACO, SYDNEY/AUS
 CLAAS KGAA MBH, HARSEWINKEL/D
 DE OLIEBRON B.V., ZWIJNDRECHT/NL
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I
 FALCON OIL COMPANY LTD., SHARJAH/UAE
 GULF OIL INTERNATIONAL, PITTSBURG/USA
 GULF OIL INTERNATIONAL, PITTSBURG/USA
 HUILES BERLIET S.A., SAINT PRIEST/F
 INDIAN OIL CORPORATION LTD., MUMBAI/IND
 INDIAN OIL CORPORATION LTD., MUMBAI/IND
 KOMPRESSOL-OEL VERKAUFS GMBH, KÖLN/D
 KROON-OIL B.V., ALMELO/NL
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL
 MINERALÖL-RAFFIN. DOLLBERGEN, UETZE-DOLLBERGEN/D
 MINERALÖL-RAFFIN. DOLLBERGEN, UETZE-DOLLBERGEN/D
 MODRICA OIL REFINERY, MODRICA/BIH
 MORRIS LUBRICANTS, SHREWSBURY/GB
 NESTE MARKKINOINTI OY, ESPOO/FIN
 OAO SIBNEFT-ONPZ, OMSK/RUS
 OEST, GEORG MINERALÖLWERK, FREUDENSTADT/D
 OMV REFINING & MARKETING GMBH, WIEN/A
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I
 PANOLIN AG, MADETSWIL/CH
 PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR
 PETROGAL S.A., LISBOA/P
 PT PERTAMINA (PERSERO), JAKARTA/RI
 PT PERTAMINA (PERSERO), JAKARTA/RI
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D
 SHARJAH NATIONAL LUBE OIL CO. LTD., SHARJAH/UAE
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D
 SUOMEN PETROOLI OY, HAMINA/FIN
 TOTAL ISU OIL CO. LTD., SEOUL/ROK
 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 (19A)

ADDINOL GETRIEBEÖL GS 80W-90
 AUTOL GETRIEBEÖL 80W-90
 ARAL GETRIEBEOL EP 80W-90
 EP-GETRIEBEÖL 80W90
 BP ENERGEAR EP 80W-90
 BP ENERGEAR EP 90
 FRONTOL MEHRZWECKGETRIEBEÖL SAE 90
 MOTOREX GEAR OIL EP 80W/90
 CALPAM MP GEAR OIL 85W90 GL4
 CASTROL EP 80W90
 CEPSA TRANSMISIONES 80W-90
 ERTOIL TRANSMISIONES 80W-90
 GEARTEX EP-A 80W-90
 GEARTEX EP-A 85W-90
 CALTEX TRANSLUBE LD SAE 80W-90
 CALTEX TRANSLUBE LD SAE 90
 CLAAS AGRISHIFT 4SC 80W90
 TOR MULTIPURPOSE GEAR OIL SAE 80W90
 AGIP ROTRA HY 85W-90
 ROTRA HY 80W-90
 FALCON SUPER EP GEAR OIL 80W/90 GL-4
 GULF GEAR MZ 85W-90
 GULF GEAR MZ 90
 RTO EP 80W-90
 SERVO GEAR HP 80W-90 (T)
 SERVO GEAR HP 90(T)
 KOMPRESSOL-MEHRZWECK-GETRIEBEOEL SAE 80W-90
 GEARLUBE GL-4 80W-90
 Q8 T 35 SAE 90
 PENNASOL MEHRZWECK-GETRIEBEOEL GL 4 SAE 85W90
 PENNASOL MEHRZWECK-GETRIEBEOEL GL 4 SAE 90
 TRANSLUBE GL-4 SAE 90
 SERVOL EP 80W/90
 NESTE GEAR EP 80W-90
 SIBIMOTOR TRANS KP-2 SAE 80W-85
 OEST MEHRZWECK-GETRIEBEÖL SAE 80W-90
 OMV GEAR OIL MP SAE 85W-90
 PLATINUM GEAR GL-4 80W/90
 PAKELO GEAR OIL EP/FZ SAE 80W/90
 PANOLIN EP GEAR 80W/90
 LUBRAX TRM-4 SAE 90
 GALP TRANSOIL 80W90
 RORED EP-A SAE80W-90
 RORED EP-A SAE90
 RAVENOL MZ-GETRIEBEÖL 80W-90 GL4
 SHARLU EP GEAR LUBE 80W/90 (GL-4)
 SHELL SPIRAX GX 80W-90
 WINTERSHALL WIOLIN MEHRZWECK-GETRIEBEÖL 80W-90
 WINTERSHALL WIOLIN MEHRZWECK-GETRIEBEÖL 90
 TEBOIL EP SAE 80W-90
 TOTAL EP 80W-90
 ANTAR EP 80W-90
 FINA PONTONIC N 80W-90
 TOTAL EP 80W-90
 TRANSELF EP 80W-90

Lubricant class 19B

Mineral oil-based and semi-synthetic gear oil

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

Manufacturer (19B)

ADDINOL LUBE OIL GMBH, LEUNA/D
 ADDINOL LUBE OIL GMBH, LEUNA/D
 ADDINOL LUBE OIL GMBH, LEUNA/D
 AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D
 ARAL AG, BOCHUM/D
 ARAL AG, BOCHUM/D
 ARMORINE S.A., LANESTER CEDEX/F
 AVIA MINERALÖL-AG, MÜNCHEN/D
 AVIA MINERALÖL-AG, MÜNCHEN/D
 BAYWA AG, MÜNCHEN/D
 BAYWA AG, MÜNCHEN/D
 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
 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
 CALPAM MINERALÖL-GMBH, ASCHAFFENBURG/D
 CALPAM MINERALÖL-GMBH, ASCHAFFENBURG/D
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB
 CEPSA LUBRICANTS S.A., MADRID/E
 CEPSA LUBRICANTS S.A., MADRID/E
 CEPSA LUBRICANTS S.A., MADRID/E
 CEPSA LUBRICANTS S.A., MADRID/E
 CHEVRON BRASIL LTDA., RIO DE JANEIRO/BRAZIL
 CHEVRONTEXACO GLOBAL LUBRICANTS, SAN RAMON/USA
 CHEVRONTEXACO, GHENT/B
 CHEVRONTEXACO, GHENT/B
 CHEVRONTEXACO, GHENT/B
 CHEVRONTEXACO, SYDNEY/AUS
 CHEVRONTEXACO, SYDNEY/AUS
 CLAAS KGAA MBH, HARSEWINKEL/D
 CONDAT LUBRIFIANTS, CHASSE SUR RHONE/F
 CONDAT LUBRIFIANTS, CHASSE SUR RHONE/F
 DAF TRUCKS N.V., EINDHOVEN/NL
 DE OLIEBRON B.V., ZWIJNDRECHT/NL
 DEUTSCHE PENTOSIN WERKE GMBH, WEDEL/D
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I
 ENI S.P.A. REFINING & MARKETING DIVISION, ROME/I
 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
 FALCON OIL COMPANY LTD., SHARJAH/UA
 FINKE MINERALÖLWERK GMBH, VISSSELHÖVEDE/D
 FL SELENIA S.P.A., VILLASTELLONE/I
 FL SELENIA S.P.A., VILLASTELLONE/I
 FL SELENIA S.P.A., VILLASTELLONE/I
 FL SELENIA S.P.A., VILLASTELLONE/I
 FL SELENIA S.P.A., VILLASTELLONE/I
 FL SELENIA S.P.A., VILLASTELLONE/I
 FUCHS PETROLUB AG, MANNHEIM/D
 FUCHS PETROLUB AG, MANNHEIM/D
 FUCHS PETROLUB AG, MANNHEIM/D
 GENOL GMBH & CO., WIEN/A
 GENOL GMBH & CO., WIEN/A
 GINOUVES GEORGES SA, LA FARLEDE/F
 GINOUVES GEORGES SA, LA FARLEDE/F

Trade name (19B)

ADDINOL GETRIEBEÖL GH 80W-90
 ADDINOL GETRIEBEÖL GH 85W-90
 ADDINOL GETRIEBEÖL GX 80 W 90 ML
 AUTOL HYPOID-GETRIEBEÖL SAE 80W-90
 ARAL GETRIEBEOL EP PLUS 80W-90
 ARAL GETRIEBEOL HYP 85W-90
 PM 90
 AVIA HYPOID 90 EP
 AVIA SYNTOGEAR FE 80W-90
 BAYWA HYPOID GETRIEBEÖL 85W-90
 BAYWA SUPER 8090 MC
 HYPOID-GETRIEBEÖL 80W90
 BP ENERGEAR DL 80W-90
 BP ENERGEAR HT 80W-90
 BP ENERGEAR HYPO 80W-90
 BP ENERGEAR HYPO 90
 BP ENERGEAR HYPO XL 80W-90
 FRONTOL GETRIEBEÖL FE SAE 80W-90
 FRONTOL HYPOID GETRIEBEÖL B SAE 90
 MOTOREX GEAR OIL UNIVERSAL 80W/90
 CALPAM MULTI GEAR OIL FE 80W90
 CALPAM SUPER GEAR OIL 85W90 GL 5
 CASTROL DYNADRIVE 80W-90
 CASTROL EPX 80W-90
 CASTROL EPX 90
 CASTROL EPX M 90
 CASTROL MULTIDRIVE 80W90
 CEPSA TRANSMISIONES EP 90
 CEPSA TRANSMISIONES EP MULTIGRADO 80W-90
 ERTOIL EP CAMBIOS Y DIFERENCIALES SAE 90
 ERTOIL EP MULT. CAMBIOS Y DIFERENCIALES 80W-90
 MULTIGEAR EP SAE 90
 CHEVRON RPM UNIVERSAL GEAR LUBRICANT SAE 80W-90
 GEARTEX EP-B 85W-90
 GEARTEX EP-C 80W-90
 MULTIGEAR 80W-90
 CALTEX HYPOID LD SAE 85W-90
 CALTEX HYPOID LD SAE 90
 CLAAS AGRISHIFT MT 80W-90
 GEAR S 80W90
 GEAR SLX 75W90
 DAF SUPER 80W90
 TOR SUPER GEAR OIL 80W90
 PENTOSIN GETRIEBEÖL O-226 80W-90
 AGIP ROTRA MP DB 85W-90
 AGIP ROTRA MP/C 80W-90
 ROTRA MP 80W-90
 ROTRA TRUCK GEAR 80W-90
 ESSO GEAR OIL GX-D 85W-90
 MOBILUBE HD-A 85W-90
 MOBILUBE S 80W-90
 FALCON SUPER MP GEAR OIL 80W/90 GL-5
 AVIATICON FINKOGEAR SUPER 80W-90
 AKCELA GEAR 135H EP (SAE 80W90)
 AKROS EP 90 SAE 80W90
 AMBRA HYPOIDE 90 SAE 80W90
 ARBOR TRW 90 (SAE 80W90)
 TUTELA TRANSMISSION TRUCK W90/LA (SAE 80W-90)
 TUTELA W90/M-DA SAE 80W90
 TITAN GEAR HYP LD SAE 80W-90
 TITAN GEAR HYP SAE 90
 TITAN SUPERGEAR MC 80W-90
 GENOL GEAR-SYN 80W-90
 GENOL HYPOLUBE 80W-90
 YORK 793 SAE 80W90
 YORK 993

GRUPA LOTOS SA, GDANSK/PL	LOTOS TITANIS GL-5 SAE 80W/90
GRUPA LOTOS SA, GDANSK/PL	TITANIS SUPER GL-5 80W/90
GULF OIL INTERNATIONAL, PITTSBURG/USA	GULF GEAR DB 80W-90
GULF OIL INTERNATIONAL, PITTSBURG/USA	GULF GEAR DB 85W-90
GULF OIL INTERNATIONAL, PITTSBURG/USA	GULF GEAR DB 90
GULF OIL INTERNATIONAL, PITTSBURG/USA	GULF GEAR HD 85W-90
GULF OIL INTERNATIONAL, PITTSBURG/USA	GULF GEAR LD 80W-90
GULF OIL INTERNATIONAL, PITTSBURG/USA	GULF GEAR TDL 80W-90
HANDEL MIJ NOVIOL B.V., NIJMEGEN/NL	KENDALL NS-MP GEAR LUBE SAE 80W-90
HUILES BERLIET S.A., SAINT PRIEST/F	RTO HD 80W-90
HUILES BERLIET S.A., SAINT PRIEST/F	RTO LONGEVIA P ECO 80W-90
IGOL FRANCE SA, AMIENS/F	GEAR M 80W90
IGOL FRANCE SA, AMIENS/F	HYPOID B SAE85W90
IGOL FRANCE SA, AMIENS/F	LONG GEAR 80W90
INDIAN OIL CORPORATION LTD., MUMBAI/IND	SERVO GEAR SUPER 85W-90(T)
IRANOL CO., TEHRAN/IR	IRANOL XP (SAE 85W-90)
JOHN DEERE, WATERLOO/USA	GL-5 GEAR LUBRICANT (80W-90)
KOMPRESSOL-OEL VERKAUFS GMBH, KÖLN/D	KOMPRESSOL-HYPOID EW SAE 80W-90
KRAFFT S.L., ANDOAIN/E	HIDROIL EP SAE 80W-90
KROON-OIL B.V., ALMELO/NL	GEARLUBE GL-5 80W-90
KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL	Q8 AUTO 12 SAE 80W-90
KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL	Q8 GEAR OIL XG SAE 80W-90
KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL	Q8 T 55 SAE 80W-90
KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL	Q8 T 55 SAE 90
KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL	Q8 T 65 SAE 75W-90
KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL	Q8 UNIGEAR GL-5 75W-90
LIQUI MOLY GMBH, ULM/D	HYPOID GETRIEBEÖL GL 5 SAE 80W-90
LIQUI MOLY GMBH, ULM/D	HYPOID GETRIEBEÖL GL 5 SAE 85W-90
LIQUI MOLY GMBH, ULM/D	HYPOID GETRIEBEÖL GL 5 SAE 90W
LIQUI MOLY GMBH, ULM/D	HYPOID GETRIEBEÖL TDL SAE 80W-90
MAROIL S.R.L. CONC. BARDAHL MANU. CO.,ALTOPASCIO/I	BARDAHL T&D OIL 80W 90
MAZIVA ZAGREB D.O.O, ZAGREB/HR	INA HIPENOL GTL DB 90
MAZIVA ZAGREB D.O.O, ZAGREB/HR	INA HIPENOL GTL HD 80W-90
MAZIVA ZAGREB D.O.O, ZAGREB/HR	INA HIPENOL TDL 80W-90
MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D	MEGOL HYPOID-GETRIEBEOEL GL 5 SAE 80W-90
MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D	MEGOL HYPOID-GETRIEBEOEL GL 5 SAE 85W-90
MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D	MEGOL HYPOID-GETRIEBEOEL TDL SAE 80W-90
MILLERS OILS LIMITED, BRIGHOUSE/GB	SYNTRAN II
MINERALÖL-RAFFIN. DOLLBERGEN, UETZE-DOLLBERGEN/D	PENNASOL HYPOID-GETRIEBEOEL GL 5 SAE 80W90
MINERALÖL-RAFFIN. DOLLBERGEN, UETZE-DOLLBERGEN/D	PENNASOL HYPOID-GETRIEBEOEL GL 5 SAE 85W90
MINERALÖL-RAFFIN. DOLLBERGEN, UETZE-DOLLBERGEN/D	PENNASOL HYPOID-GETRIEBEOEL GL 5 SAE 90
MODRICA OIL REFINERY, MODRICA/BIH	HIPOIDNO ULJE B SAE 80W90
MODRICA OIL REFINERY, MODRICA/BIH	HIPOIDNO ULJE B SAE 90
MOL-LUB KFT., ALMÿSFÜZITÖ/H	MOL HYKOMOL K 85W-90
MOL-LUB KFT., ALMÿSFÜZITÖ/H	MOL HYKOMOL ZF 80W-90
MORRIS LUBRICANTS, SHREWSBURY/GB	MORRIS EP 80W/90
MOTUL SA, AUBERVILLIERS CEDEX/F	MOTUL TRANS MB 85W-90
NOVA STILMOIL SPA, MODENA/I	GEARING PLUS 80W90
OAO SIBNEFT-ONPZ, OMSK/RUS	SIBIMOTOR SUPER T-2 SAE 80W-90
OEST, GEORG MINERALÖLWERK, FREUDENSTADT/D	OEST MEHRZWECK-GETRIEBEÖL FE SAE 80W-90
OK NEDERLAND, STAPHORST/NL	OK CARDAN OIL MP-B-SAE 80W/90
OMV REFINING & MARKETING GMBH, WIEN/A	OMV GEAR OIL B SAE 85W-90
OMV REFINING & MARKETING GMBH, WIEN/A	OMV GEAR OIL XD-5 SAE 80W-90
OMV REFINING & MARKETING GMBH, WIEN/A	OMV UNIGEAR SAE 80W-90
OPET PETROLCÛLÛK A.S., IZMIR/TR	ORSA HYPOID EP MB 90 SAE85W90
ORLEN OIL SP. Z O.O., KRAKOW/PL	PLATINUM GEAR GL-5 80W/90
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO GEAR OIL EP GL-5 SAE 80W/90
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO GLOBAL GEAR CBS SAE 75W/90
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO GLOBAL GEAR DLS SAE 85W/90
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO GLOBAL GEAR SA SAE 80W/90
PAKELO MOTOR OIL S.R.L, SAN BONIFACIO (VR)/I	PAKELO GLOBAL GEAR SA SAE 85W/90
PANOLIN AG, MADETSWIL/CH	PANOLIN SUPER DUTY 80W/90
PANOLIN AG, MADETSWIL/CH	PANOLIN SUPER DUTY 90
PANOLIN AG, MADETSWIL/CH	PANOLIN TOPGEAR 80W/90
PETRO-CANADA LUBRICANTS, MISSISSAUGA/CDN	TRAXON 80W-90
PETRO-CANADA LUBRICANTS, MISSISSAUGA/CDN	TRAXON XL SYNTHETIC BLEND 75W-90
PETROGAL S.A., LISBOA/P	GALP TRANSOIL HP 80W90
PETROL OFISI A.S, MASLAK-ISTANBUL-TURKEY/TR	PO UNI. KEBAN EP MAN 80W/90
PRISTA OIL EAD, ROUSSE/BG	PRISTA EP 90
PROFI-TECH GMBH, GINGEN/D	PROFI CAR HYPOID PERFORMANCE GEAR SAE 80W-90 GL 5
PT PERTAMINA (PERSERO), JAKARTA/RI	RORED HD-A SAE80W-90
PT PERTAMINA (PERSERO), JAKARTA/RI	RORED HD-A SAE90
RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/D	RAVENOL HYPOID EPX GETR.-OEL 80W-90 GL 5

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
 SHARJAH NATIONAL LUBE OIL CO. LTD., SHARJAH/UA
 SHELL BRASIL, BARRA DA TIJUCA - RIO DE JANEIRO/BR
 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/D
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D
 STATOIL LUBRICANTS, STOCKHOLM/S
 STRUB + CO AG, REIDEN/CH
 SUOMEN PETROOLI OY, HAMINA/FIN
 SUOMEN PETROOLI OY, HAMINA/FIN
 SYNECO SPA, SAN GIULIANO MILANESE/I
 TEDEX PRODUCTION SP.Z.O.O., TOMASZOW MAZOWIECKI/PL
 TOTAL LUBRIFIANTS S.A., PARIS/F
 TOTAL LUBRIFIANTS S.A., PARIS/F
 TOTAL LUBRIFIANTS S.A., PARIS/F
 TOTAL LUBRIFIANTS S.A., PARIS/F
 TOTAL LUBRIFIANTS S.A., PARIS/F
 TOTAL LUBRIFIANTS S.A., PARIS/F
 TOTAL LUBRIFIANTS S.A., PARIS/F
 TOTAL LUBRIFIANTS S.A., PARIS/F
 TOTAL LUBRIFIANTS S.A., PARIS/F
 TOTAL LUBRIFIANTS S.A., PARIS/F
 TOTAL LUBRIFIANTS S.A., PARIS/F
 TOTAL LUBRIFIANTS S.A., PARIS/F
 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
 ZELLER + GMELIN GMBH & CO., EISLINGEN/D
 ZELLER + GMELIN GMBH & CO., EISLINGEN/D
 ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/D

RAVENOL HYPOID EPX GETRIEBE-OEL SAE 90 GL-5
 RAVENOL SLG SPEC. LKW GETR.ÖL 80W90
 CARTAGO EP SAE 90
 CARTAGO EP SAE 80W90
 GULF MULTIPURPOSE GEAR LUBRICANT 85W-90
 SHARLU MP GEAR LUBE 80W/90 (GL-5)
 SHELL SPIRAX A 90
 SHELL SPIRAX AX 80W-90
 SHELL SPIRAX AX 90
 SHELL SPIRAX AX PLUS 80W-90
 SHELL SPIRAX MB 90
 SHELL SPIRAX MX 80W-90
 WINTERSHALL GETRIEBEFLUID SML 80W-90
 WINTERSHALL WIOLIN HYPOID-GETRIEBEÖL 80W-90
 WINTERSHALL WIOLIN HYPOID-GETRIEBEÖL 90
 GEARWAY G5 80W-90
 STRUB MULTIGEAR SGO 80W-90
 TEBOIL HYPOID SAE 80W-90
 TEBOIL HYPOID SAE 90
 AMPLEX 80W90
 TEDEX SUPER GEAR OIL (3343ML) SAE 80W90
 ANTAR EPR 90
 ANTAR EPR 80W-90
 ANTAR UNIVERSAL FE 80W-90
 FINA PONTONIC MDL 80W-90
 FINA PONTONIC MP 80W-90
 FINA PONTONIC MP 85W-90
 TOTAL EP B 80W-90
 TOTAL EP B 85W-90
 TOTAL TRANSMISSION MDL 80W-90
 TOTAL TRANSMISSION RS FE 80W-90
 TRANSELF TYPE B 80W-90
 TRANSELF TYPE B 90
 TRANSELF UNIVERSAL FE 80W-90
 UNIL OPAL GEAR ZF 80W90
 HIGH PERFORMANCE GEAR OIL GL-5 90
 HP GEAR OIL GL-5 PLUS SAE 80W-90
 DIVINOL GEAR OIL STO SAE 80W-90
 DIVINOL SYNTHOGEAR SAE 75W-90
 ZF-ECOFLUID X

Lubricant class 19C**Synthetic gear oil**

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

Manufacturer (19C)

AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D
 AGIP SCHMIERTECHNIK GMBH, WÜRZBURG/D
 AVIA MINERALÖL-AG, MÜNCHEN/D
 BP INTERNATIONAL, PANGBOURNE, READING/GB
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB
 CASTROL INTERNATIONAL, PANGBOURNE READING/GB
 CEPESA LUBRICANTS S.A., MADRID/E
 CHEVRONTXACO, GHENT/B
 CONDAT LUBRIFIANTS, CHASSE SUR RHONE/F
 DE OLIEBRON B.V., ZWIJNDRECHT/NL
 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
 EXXON MOBIL CORPORATION, FAIRFAX, VIRGINIA/USA
 FL SELENIA S.P.A., VILLASTELLONE/I
 FUCHS PETROLUB AG, MANNHEIM/D
 GINOUVES GEORGES SA, LA FARLEDE/F
 GINOUVES GEORGES SA, LA FARLEDE/F
 GULF OIL INTERNATIONAL, PITTSBURG/USA
 HANDEL MIJ NOVIOL B.V., NIJMEGEN/NL
 HUILES BERLIET S.A., SAINT PRIEST/F
 IGOL FRANCE SA, AMIENS/F
 KROON-OIL B.V., ALMELO/NL
 KUWAIT PETROLEUM R&T B.V., EUROPOORT RT/NL
 MAZIVA ZAGREB D.O.O, ZAGREB/HR
 MEGUIN GMBH & CO. KG MINERALOELWERKE, SAARLOUIS/D
 MILLERS OILS LIMITED, BRIGHOUSE/GB
 MOTUL SA, AUBERVILLIERS CEDEX/F
 NESTE MARKKINOINTI OY, ESPOO/FIN
 NEW PROCESS AG, TUBACH/CH
 OEST, GEORG MINERALÖLWERK, FREUDENSTADT/D
 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
 REPSOL YPF LUBRICANTES Y ESPECIALIDADES, MADRID/E
 S.A.E.L., MADRID/E
 SHELL INTERNATIONAL PETROLEUM COMP LTD, LONDON/GB
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/D
 STRUB + CO AG, REIDEN/CH
 SUOMEN PETROOLI OY, HAMINA/FIN
 SUOMEN PETROOLI OY, HAMINA/FIN
 TOTAL LUBRIFIANTS S.A., PARIS/F
 TOTAL LUBRIFIANTS S.A., PARIS/F
 TOTAL LUBRIFIANTS S.A., PARIS/F
 TOTAL LUBRIFIANTS S.A., PARIS/F
 VALVOLINE EUROPE, DORDRECHT/NL
 YACCO, ST PIERRE LES ELBEUF/F
 ZELLER + GMELIN GMBH & CO., EISLINGEN/D

Trade name (19C)

AGIP HLX, SAE 75W-90
 AGIP ROTRA TRUCK GEAR S, SAE 75W-90
 AVIA SYNTOGEAR FE 75W-90 EP
 ENERGEGEAR SHX-M SAE 75W-90
 MOTOREX UNISYNT TX
 CASTROL DYNADRIVE PLUS 75W90
 CASTROL SAF-XO SAE 75W-90
 CEPESA TRANSMISIONES EP FE+LD 75W-90
 MULTIGEAR S 75W-90
 GEAR SLX 75W140
 TOR UNIGEAR 75W90 LD
 ROTRA LSX 75W-90
 MOBIL DELVAC SYNTHETIC GEAR OIL 75W-90
 MOBIL DELVAC SYNTHETIC GEAR OIL 80W-140
 MOBILUBE 1 SHC 75W-90
 MOBILUBE SHC 75W-90
 MOBILUBE SHC 80W-140
 TUTELA TRUCK FE-AXLE (75W-90)
 TITAN CYTRAC HSY SAE 75W-90
 YORK 896
 YORK 896 75W110
 GULF SYNGEAR 75W-90
 KENDALL TOTAL DRIVE LINE ED 75W90
 RTO LONGEVIA PXD ECO 75W-90
 SYNTHEGEAR SAE75W90
 TRANSMISSION OIL SP 1011
 Q8 TRANS XGS SAE 75W-90
 INA HIPENOL SHD 75W-90
 MEGOL GETRIEBEOEL TRUCK-SYNTH SAE 75W-90
 SYNTRAN FE
 MOTUL GEAR SYNT TDL 75W-90
 NESTE HYPOIDI TDL S 75W-90
 GEAROIL SYNTH
 OEST SYNTH GETRIEBEÖL SAE 75W-90
 OK UNI-CARDAN OIL LD-SAE 75W/90
 QUINTOL TRANSMISSION OIL VS-45 SAE 75W/90
 OMV UNIGEAR S SAE 75W-90
 PAKELO GLOBAL MULTIGEAR TS SAE 75W/90
 PANOLIN SUPER DUTY SYNTH 75W/90
 GALP TRANSVEX TDL 75W90
 CARTAGO FE LD 75W90
 GULF SYTHETIC GEAR LUBRICANT 75W-90
 SHELL SPIRAX ASX 75W-90
 WINTERSHALL GETRIEBEFLUID BOS
 VULCOGEAR SYNT SGX 75W-90
 TEBOIL HYPOID SAE 75W-140
 TEBOIL HYPOID SAE 75W-90
 ANTAR EPS 75W-90
 FINA PONTONIC FDL 75W-90
 TOTAL TRANSMISSION SYN FE 75W-90
 TRANSELF SYNTHESE FE 75W-90
 SYNPOWER GEAR OIL TDL 75W-90
 BVX 1000
 DIVINOL SYNTHOGEAR SL 75W-90