



**Transfer and offset transmissions
for commercial vehicles**

List of lubricants TE-ML 19

Table of contents

Page

1. Approved lubricant classes	1
2. Oil level check and oil change intervals	1
3. Low temperatures limits	2
4. Upper temperature limits	2
5. Explanation of footnotes and comments	2
6. Lubricant classes and approved trade products	3

1. Approved lubricant classes

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





2. Oil level check and oil change intervals

	Normal operation ⁽²⁾	Heavy-duty application ⁽³⁾
Oil level check	10.000 km	10.000 km
Oil change and cleaning of breather	60.000 km / 1 year ⁽⁴⁾	20.000 km / 1 year ⁽⁴⁾

The list of lubricants TE-ML 19, **edition 01.10.2018** 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.

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D-88038 Friedrichshafen
www.zf.com/contact

3. Low temperatures limits

Viscosity grades	Use at outside temperatures
SAE 75W-90, 75W-110, 75W-140	- 40°C 
SAE 80W-90	- 26°C 
SAE 85W-90	- 12°C 
SAE 90	- 5°C 

4. Upper temperature limits

Lubricant classes	Permanent admissible maximum oil sump temperature ⁽⁵⁾
19A, 19B	110 °C
19C	120 °C

5. Explanation of footnotes and comments

Footnotes

- (1) Refer to the following pages for approved commercial products.
- (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) and special applications (such as heavy goods vehicle, mobile cranes, fire trucks, etc.).
- (4) Oil change required, depending on what occurs first.
- (5) If the permissible permanent maximum oil sump temperature is exceeded, additional cooling is required.

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 19A

Gear oil

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

Manufacturer (19A)

ADDINOL LUBE OIL GMBH, LEUNA/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 BAHRAIN PETROLEUM COMPANY, AWALI/BH
 CEPESA COMERCIAL PETRÓLEO S.A.U., MADRID/ES
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 DE OLIEBRON BV, ZWIJNDRECHT/NL
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 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
 HINDUSTAN PETROLEUM CORPORATION LTD., MUMBAI/IN
 INDIAN OIL CORPORATION LTD, MUMBAI/IN
 INDIAN OIL CORPORATION LTD, MUMBAI/IN
 INDIAN OIL CORPORATION LTD, MUMBAI/IN
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 LIQUI MOLY GMBH, ULM/DE
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE
 NESTE MARKKINOINTI OY, ESPOO/FI
 OILFINO MINERALÖL GMBH, PRISDORF/DE
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR
 PETROGAL S.A., LISBOA/PT
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SK LUBRICANTS, SEOUL/KR
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 UNIL OPAL, SAUMUR/FR

Trade name (19A)

ADDINOL GETRIEBEÖL GS 80W-90
 PENNASOL MULTIPURPOSE GEAR OIL GL 4 SAE 90
 SPAREX HP 90 GL-4
 CEPESA TRANSMISIONES 80W-90
 TRANSLUBE LD SAE 90
 GEARTEX EP-A 80W-90
 GEARTEX EP-4 80W-90
 TOR MULTIPURPOSE GEAR OIL SAE 80W90
 G-TRUCK GL-4 80W-90
 GAZPROMNEFT GL-4 80W-90
 GULF GEAR XP 90
 GULF GEAR XP MAX 90
 GULF GEAR XP DURA MAX 80W-90
 GULF GEAR MZ 90
 GULF GEAR MZ 85W-90
 GULF GEAR XP 80W-90
 GULF GEAR MZ 80W-90
 HP GEAR OIL ZFL 80W 90
 SERVO GEAR ALT 90
 SERVO GEAR HP 80W-90 (T)
 SERVO UNIDRIVE 80W-90
 Q8 T 35 SAE 80W-90
 LIQUI MOLY GETRIEBEÖL GL4 SAE 85W-90
 MEGOL MEHRZWECKGETRIEBEOEL GL 4 SAE 85W-90
 NESTE GEAR EP 80W-90
 OILFINO VARIUS G 300 SAE 80W-90
 LUKOIL TRANSMISSION MP 85W-90
 PLATINUM GEAR GL-4 80W-90
 LUBRAX TRM 4 SAE 90
 GALP TRANSOIL 80W90
 RAVENOL GETRIEBEÖL MZG SAE 80W-90 GL-4
 REPSOL CARTAGO EPM 90
 SHELL SPIRAX S3 G 80W-90
 SK GEAR EP 80W-90 ZF
 SRS WIOLIN MEHRZWECK-GETRIEBEÖL 80W-90
 SRS WIOLIN MEHRZWECK-GETRIEBEÖL 90
 TOTAL TRANSMISSION GEAR 7 80W-90
 ELF TRANSELF EP 80W-90
 GEAR EP 80W90

ZF approval number

ZF000701
 ZF000679
 ZF001694
 ZF000023
 ZF000801
 ZF000804
 ZF002277
 ZF000622
 ZF000525
 ZF000949
 ZF000428
 ZF000471
 ZF000684
 ZF000874
 ZF000875
 ZF000893
 ZF001034
 ZF001526
 ZF001447
 ZF001448
 ZF001449
 ZF002108
 ZF002054
 ZF001999
 ZF001080
 ZF000739
 ZF003413
 ZF000500
 ZF001477
 ZF000768
 ZF001109
 ZF000633
 ZF001298
 ZF000715
 ZF000440
 ZF000445
 ZF001772
 ZF002068
 ZF001051

Manufacturer (19B)

VALVOLINE EUROPE, DORDRECHT/NL
VALVOLINE EUROPE, DORDRECHT/NL
YORK LUBRICANTS - GINOUVES SAS, LA GARDE/FR
ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

Trade name (19B)

VALVOLINE HEAVY DUTY AXLE OIL PRO 80W-90 LD
VALVOLINE HEAVY DUTY AXLE OIL PRO 80W-90
YORK 793 SAE 80W90
DIVINOL MULTI-AXLE 80W90
ZF-ECOFLUID X SAE 80W-90

ZF approval number

ZF001837
ZF001869
ZF001129
ZF001684
ZF001266

Manufacturer (19C)

YACCO SAS, ST PIERRE LES ELBEUF/FR
YORK LUBRICANTS - GINOUVES SAS, LA GARDE/FR
YPF S.A., BUENOS AIRES/AR

Trade name (19C)

BVX 1000 75W-90
YORK 896 75W90
HIPOIDAL SUPER S 75W-90

ZF approval number

ZF001612
ZF000550
ZF003384