



Commercial Vehicle Technology

Historical Manual Transmissions for Trucks and Passenger Cars

List of lubricants TE-ML 24

Table of contents

Page

1. Historical manual transmissions for trucks	2
2. Historical manual transmissions for passenger cars	3
3. Lubricant classes	4

The list of lubricants TE-ML 24, **edition 01.10.2026** 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.

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Disclaimer: The lubricants and providers listed herein are presented solely for the purpose of documenting lubricants that were tested for compatibility with our products. This listing does not constitute an endorsement, recommendation, or preference for any of the mentioned lubricants, manufacturers, or providers. The inclusion of any lubricant in this list does not imply that it is superior to other available options, nor does it indicate that other lubricants or providers are unsuitable for use with our products. There may be additional lubricants, manufacturers, or providers — whether known or unknown to us — that are fully compatible or otherwise appropriate. It remains the sole responsibility of each customer to verify and comply with all applicable sanction laws and regulations prior to purchasing any of the mentioned lubricants.

1. Historical manual transmissions for trucks

Product groups	Oil fill volume in liters	Recommended lubricants/lubricant classes (see following pages)
AKS-25	1.75	ZF EcoFluid M or Transmission oil according to lubricant class 24A
K / Kb 30 / D / K K 35 K / Kb 40 / D K / Kb 45 K / Kb 50 K / Kb 60	1.5 Not documented 3.0 Not documented 5.5 7.5	ZF EcoFluid M or Transmission oil according to lubricant class 24A
FAK 40, FAK 45, FAK 55	5.6 / 6.1 / 10.5	ZF EcoFluid M or Transmission oil according to lubricant class 24A
FAKS 30, FAKS 40, FAKS 45, FAKS 55	4.0 / 5.6 / 6.8 / 10.5	ZF EcoFluid M or Transmission oil according to lubricant class 24A
Aphon ZG 35, ZG 45, ZG 55 ZG 35/36, ZG 45/46, ZG 55/56	4.0 / 5.5 / 8.0 4.4 / 7.0 / 6.95	ZF EcoFluid M or Transmission oil according to lubricant class 24A

2. Historical manual transmissions for passenger cars

Product groups	Oil fill volume in liters	Recommended lubricants/lubricant classes (see following pages)
Standard transmissions DKb 10 DKb 15 Kb 20, DKb 20 DKb 30 K 35, Kb 35, DK 35, DKb 35	Not documented	ZF EcoFluid M or Transmission oil according to lubricant class 24A
Aphon G 25, G 35, G 45, G 55	2.0 / 3.0 / 4.0 / 6.5	ZF EcoFluid M or Transmission oil according to lubricant class 24A
Aphon ZG 35, ZG 45, ZG 55 ZG 36, ZG 46, ZG 56	4.0 / 5.5 / 8.0 4.0 / 5.5 / 8.0	ZF EcoFluid M or Transmission oil according to lubricant class 24A
FE 25, FE 35	0.5 / 0.5	ZF EcoFluid M or Transmission oil according to lubricant class 24A
AKS-15, AKS-20 AK 4 S-15 AK 4 S-20, AK 4 S-20 with Fe 25 AK 4 S-30, AK 4 S-30 with Fe 35	1.35 / 2.25 1.5 2.0 / 2.5 2.0 / 2.5	ZF EcoFluid M or Transmission oil according to lubricant class 24A
S 4-15, S 4-17, S 4-18 S 5-16, S 5-17, S 5-18/3, S 5-24/3, S 5-325	1.25 / 1.4 / 1.6 1.15 / 1.7 / 1.6 / 1.8 / 2.0	ZF EcoFluid M or Transmission oil according to lubricant class 24A or Engine oil according to lubricant class 24B
S 5-31	1.3	BP Castrol BOT 338 => BMW Oil No. 2300 7533 513 => Castrol Syntrans B 75W (also refer to ZF List of Lubricants TE-ML 11)
S 5-20 S 5-20 replica 2012	1.1 1.1	ZF EcoFluid M or Transmission oil according to lubricant class 24A or Engine oil according to lubricant class 24B
BMW-Hurth-328 (ZF replica for BMW 328)	1.2	ZF EcoFluid M or Transmission oil according to lubricant class 24A
5 DS-25, 5 DS-25/1, 5 DS-25/2	2.0 / 2.0 / 3.5	ZF EcoFluid M or Transmission oil according to lubricant class 24A

3. Lubricant classes

Lubricant class 24A

Transmission oil according to the specification / requirement:

- API GL-4 and/ or MIL-L-2105
- Viscosity grade: SAE 80
- Base oil API Group 1 / 2

Note:

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

Lubricant class 24B

Engine oil according to the specification / requirement:

- API CD/CE/CF/CF-4/CG-4/CH-4/CI-4/CI-4 Plus
and / or API SF/SG/SH/SJ/SL/SM
and / or ACEA-categories A/B/E
- Viscosity grades: SAE 20W-20 / 30
- Base oil API Group 1 / 2

Note:

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