



Powershift transmissions type PowerLine

List of lubricants TE-ML 26

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The list of lubricants TE-ML 26, **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. Approved lubricant classes for PowerLine transmissions

Product groups	Lubricant classes for service fill ⁽¹⁾
PowerLine transmission for trucks: 8 AP 600 T, 8 AP 800 T, 8 AP 1000 T, 8 AP 1200 T PowerLine transmission for buses: 8 AP 700 B, 8 AP 900 B, 8 AP 1000 B, 8 AP 1200 B	26D Particularly recommended: ZF EcoFluid Life Plus ⁽²⁾

2. Oil change intervals for trucks ⁽¹⁾

Application	Oil change interval [km/ year] ^{(3), (8)} at a maximum permissible oil temperature of		
	85°C ⁽⁴⁾	95°C	105°C
Special applications Average vehicle speed < 30 km/h, e.g. municipal vehicles, construction site operation ⁽⁵⁾ PTO HD ⁽⁷⁾	180.000 km 1 x every 3 years	120.000 km 1 x every 3 years	60.000 km 1 x every 3 years
Standard Urban and regional distribution traffic	360.000 km 1 x every 3 years	240.000 km 1 x every 3 years	120.000 km 1 x every 3 years
Long-distance transport Average vehicle speed > 60 km/h	540.000 km 1 x every 3 years	360.000 km 1 x every 3 years	180.000 km 1 x every 3 years

3. Oil change intervals for buses ⁽¹⁾

Application	Oil change interval [km/ year] ^{(3), (8)} at a maximum permissible oil temperature of	
	95°C	105°C
Heavy-duty operation Intense city traffic ⁽⁶⁾	60.000 km 1 x every 2 years	30.000 km 1 x every 2 years
Standard Urban and regional bus traffic	120.000 km 1 x every 2 years	60.000 km 1 x every 2 years

4. Explanation of footnotes and comments

Footnotes

- (1) Refer to the following pages for approved commercial products and oil change intervals.
- (2) ZF EcoFluid Life Plus was specifically developed as a fuel economy oil for use in modern ZF automatic transmissions for commercial vehicles. The combination of high-quality base oils (API Group III and higher) with a specially balanced additive package provides excellent oxidation stability and a consistent coefficient of friction. This oil is explicitly recommended for applications involving higher loads such as demanding topography or frequent retarder operation.
The optimum transmission-adapted viscosity which remains stable throughout its service life as well as additives optimized for the application guarantee superior protection and extend the service lives of bearings and gears. Moreover, ZF EcoFluid Life Plus features a flat viscosity-temperature characteristic curve and is therefore particularly suited for applications in both cold and hot climatic regions.
- (3) Oil change required, depending on what occurs first. The maximum oil sump temperature may be exceeded for a maximum of 5% of the time. As of > 5%, the next higher class is to be applied.
- (4) For this temperature class, it is mandatory to provide a hose breather in a dry area.
- (5) For 8AP transmissions in Off road or military applications please refer to the List of Lubricants TE-ML 25.
- (6) The definition of "heavy-duty operation" is based on the UITP SORT1 cycle. With an average of more than 3.3 starts/km or an average speed <18 km/h, a heavy-duty operation is assumed.
- (7) PTO HD (Dual PTO or PTO performance >60 kW and operating time >1 h/day)
- (8) Oil pan replacement (integrated filter) kit 1390.298.004, see Note 3.

Comments

1. Instructions for transmission ventilation in accordance with Installation Guideline 1390 765 101 must be followed.
2. 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.
3. However, due to the many variables influencing the service life of transmissions in individual operation, ZF recommends replacing the oil pan (integrated filter) after 240,000 km for the PowerLine, in addition to the oil change. If the oil pan replacement does not coincide with an oil change interval, the next larger oil change interval applies.

5. Lubricant classes and approved trade products**Lubricant class 26D****Manufacturer (26D)**

HUILES BERLIET S.A., SAINT-PRIEST/FR
MAN TRUCK & BUS SE, MUNICH/DE
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
TOTALENERGIES LUBRIFIANTS, NANTERRE/FR
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

Trade name (26D)

RENAULT TRUCKS ATF 74005
MAN GENUINE OIL ATF MAN 339 Z21
TUTELA ATF 360
FLUIDMATIC HD XLD
ZF ECOFLUID LIFE PLUS

ZF approval number

ZF008347
ZF012146
ZF010825
ZF011911
ZF001719