



Powershift transmissions type PowerLine

List of lubricants TE-ML 26

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1. Approved lubricant classes for PowerLine transmissions

Product groups	Lubricant classes for service fill ⁽¹⁾
All PowerLine variants (8AP...)	26C / 26D

The list of lubricants TE-ML 26, **edition 01.01.2021** 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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2. Oil change intervals

Lubricant class 26C ⁽¹⁾

Application	Oil change interval [km/ year] ⁽²⁾ at a maximum permissible oil temperature of		
	85°C ⁽³⁾	95°C	105°C
Special applications Average vehicle speed < 20 km/h, e.g. municipal vehicles, construction site operation ⁽⁴⁾	90.000 km 1 x every 2 years	60.000 km 1 x every 2 years	30.000 km 1 x every 2 years
Standard Urban and regional distribution traffic	180.000 km 1 x every 2 years	120.000 km 1 x every 2 years	60.000 km 1 x every 2 years
Long-distance transport Average vehicle speed > 60 km/h	270.000 km 1 x every 2 years	180.000 km 1 x every 2 years	90.000 km 1 x every 2 years

Lubricant class 26D ⁽¹⁾

Application	Oil change interval [km/ year] ⁽²⁾ at a maximum permissible oil temperature of		
	85°C ⁽³⁾	95°C	105°C
Special applications Average vehicle speed < 20 km/h, e.g. municipal vehicles, construction site operation ⁽⁴⁾	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 4 years	240.000 km 1 x every 4 years	120.000 km 1 x every 4 years
Long-distance transport Average vehicle speed > 60 km/h	540.000 km 1 x every 4 years	360.000 km 1 x every 4 years	180.000 km 1 x every 4 years

3. Explanation of footnotes and comments

Footnotes

- (1) Refer to the following pages for approved commercial products and oil change intervals.
- (2) Oil change required, depending on what occurs first.
- (3) For this temperature class, it is mandatory to provide a hose breather in a dry area.
- (4) For 8AP transmissions in Off road or military applications please refer to the List of Lubricants TE-ML 25.

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.

4. Lubricant classes and approved trade products

Lubricant class 26C

Manufacturer (26C)

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

Trade name (26C)

ZF LIFE GUARD FLUID 8
ZF LIFE GUARD FLUID 9

ZF approval number

ZF000020
ZF005946

Lubricant class 26D

Manufacturer (26D)

ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

Trade name (26D)

ZF ECOFLUID LIFE PLUS

ZF approval number

ZF001719