



ZF EcoFluid Life Plus

Automatic Transmission Fluid for ZF Commercial Vehicles Transmissions

Product description:

ZF EcoFluid Life Plus was specially developed as a fuel economy oil for use in modern ZF CV automatic transmissions.

The combination of a base oil based on XHVI synthesis technology with a specially balanced additive package ensures excellent oxidation stability and a constant coefficient of friction. This oil is explicitly recommended particularly at higher loads caused by challenging topography or frequent retarder operation, for example.

Optimum transmission-adapted viscosity that remains stable throughout the oil's service life as well as additives optimized for this application guarantee a particularly high protection level and thus extended 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 regions with cold or hot climates.

Application:

- **ZF EcoFluid Life Plus** is the oil favored by ZF for all ZF CV automatic transmissions.
- **ZF EcoFluid Life Plus** is approved according to ZF lubricant class TE-ML 14F (for ZF Ecomat transmissions), TE-ML 20G (for ZF EcoLife transmissions), TE-ML 26D (for ZF PowerLine transmissions), TE-ML 16Q (for ZF automatic powershift transmissions in rail vehicles) and TE-ML 25G (for ZF automatic powershift transmissions for special vehicles and stationary applications). Approvals according to MAN specification MAN 339-Z14 and MAN 339-Z21 are also available.
- **ZF EcoFluid Life Plus** is particularly recommended for use in city buses and coaches as well as for extreme applications, such as demanding topographical conditions, stop-and-go traffic and frequent retarder operation.
- **ZF EcoFluid Life Plus** is released according to ZF lubricant class TE-ML 20G and MAN specification 339-Z14.
- **ZF EcoFluid Life Plus** can be mixed with all commercially available automatic transmission fluids. Please note that mixing it with non-fully synthetic products may have a negative impact on the advantages of ZF-Ecofluid Life Plus. Therefore, after reoiling with mineral oil-based or partially synthetic ATF, an interim oil change interval at half of the standard mileage is required.



- **ZF EcoFluid Life Plus** small container (up to 20 l) must be shaken vigorously for at least 15 s before removing the oil. Before removing oil, large container (209 l drum) must be mixed with a suitable and clean stirrer (min. 1500 1 / min) for at least 60 min at room temperature.

The Lists of Lubricants can be viewed on the Internet at www.aftermarket.zf.com.

Advantages:

• Fuel savings	Thanks to optimized viscosity and additives.
• Reduced operating costs	Thanks to extended oil change intervals enabled by optimum thermal and oxidizing stability.
• Increased shift comfort	Thanks to friction characteristics which are optimally harmonized with the transmission.
• Low maintenance costs	Thanks to good material compatibility, optimum operational viscosity and further improved protection of bearings and gears.
• Less impact on the environment	Thanks to reduced used oil quantities.
• Flexible temperature behavior	Due to its low viscosity temperature characteristic, the oil is particularly suitable in both cold and hot climatic regions.

Product properties:

Product no.		
Canister	20 l	AA01.320.099
Drum	209 l	AA01.320.098
Characteristics (typical values)		
Density at 15°C	kg/m ³	832
Viscosity at 40°C	mm ² /s	35
Viscosity at 100°C	mm ² /s	7.1
Brookfield viscosity at -40°C	mPa.s	10000
Pour point	°C	-57
Flash point (COC)	°C	236
Other specifications		MAN 339 Type Z-14 MAN 339 Type Z-21