



## **ZF EcoFluid A Life**

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### **Automatic Transmission Fluid for All ZF-Ecomat and ZF-EcoLife Transmissions**

#### **Product description:**

ZF EcoFluid A Life was specially developed for use in ZF-Ecomat and ZF-EcoLife 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.

Viscosity that is tailored to both transmission model ranges and that remains stable throughout the oil's service life as well as additives optimized for this application guarantee a particularly high protection level that extends the service lives of bearings and gears. Moreover, ZF EcoFluid A Life features a flat viscosity-temperature characteristic curve and is therefore particularly suited for applications in regions with cold or hot climates.

#### **Application:**

- **ZF EcoFluid A Life** was specially developed for use in ZF-Ecomat and ZF-EcoLife transmissions.
- **ZF EcoFluid A Life** 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 A Life** is released according to ZF Lists of Lubricants TE-ML 04D, 14E, 16N, 16Q, 20F and MAN 339 type Z-4, Z-13.
- **ZF EcoFluid A Life** 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 A Life** small container (up to 20 l) must be shaken vigorously for at least 15 s before removing the oil. Before removing oil, large container (more than 20 l) 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](http://www.aftermarket.zf.com).

**Advantages:**

• <b>Reduced downtimes.</b>	Thanks to extended oil change intervals enabled by optimum thermal and oxidizing stability.
• <b>Increased shift comfort</b>	Thanks to friction characteristics which are optimally tailored to the transmission.
• <b>Low maintenance costs</b>	Extensively tested material compatibility, optimal service viscosity and further improved protection of bearings and gearing.
• <b>Less impact on the environment</b>	Thanks to reduced used oil quantities.
• <b>Flexible temperature behavior</b>	Due to its low viscosity temperature characteristic, the oil is particularly suitable in both cold and hot climatic regions.

**Product properties:**

<b>Product no.</b>		
Canister	20 l	0671.072.120
Drum	209 l	0671.072.130
<b>Characteristics (typical values)</b>		
Density at 15°C	kg/m <sup>3</sup>	835
Viscosity at 40°C	mm <sup>2</sup> /s	68
Viscosity at 100°C	mm <sup>2</sup> /s	10
Viscosity index	-	150
Brookfield viscosity at -40°C	mPa.s	28000
Pour point	°C	-48
Flash point (COC)	°C	240
Other specifications		MAN 339 type Z-4, Z-13