

## ZF Ecofluid M 75W-80

Synthetic Manual transmission fluid for extended drain

### Description

ZF-Ecofluid M is a high-performance synthetic oil which was specially developed for mechanical ZF transmission. The correspondingly adapted, innovative additive package warrant excellent lubrication and friction characteristics even under extreme loads. All in all, fuel consumption saving of up to 1% can be guaranteed for the entire term of application. Thanks to the long oil-change intervals on account of excellent temperature resistance and oxidation stability.

### Applications

ZF-Ecofluid M is a synthetic transmission oil specifically developed for the use in manual for commercial vehicles (trucks, buses, light commercial vehicles, vans). ZF-Ecofluid M fulfills the requirements of ZF TE-ML 01E, 02E, 16P and permits very long oil-change intervals (max. 540.000 km or 3 years.)

### Benefits

- Extended drain capabilities up to 540.000 km
- Improved shear stability for a stable viscosity during use
- Excellent oxidation and thermal stability
- Fuel economy improvement up to 1%.
- Exceptional wear protection under heavy duty operating conditions.

### Specifications, recommendations and approvals

MAN	341 Type Z5	ZF	TE-ML 02E
ZF	TE-ML 01E	ZF	TE-ML 16P

Color code blue = officially approved

### Properties

	Method	Unit	Typical
Density, 15 °C	D 4052	g/ml	0,858
Kinematic Viscosity, 40 °C (extrapolated)	D 445	mm <sup>2</sup> /s	54
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	9.3
Viscosity Index	D 2270	-	240
Brookfield Viscosity, -40 °C	D 2983	Pa.s	42
FZG Test, A/8.3/90	DIN 51354	load stage	>12
FZG Test, A/16.6/90	DIN 51354	load stage	10

The figures above are not a specification. They are typical figures obtained within production tolerances.