PRODUCT DATA SHEET

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 capabilties 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: Approved

Properties

	Method	Unit	Typical
Density, 15 °C	*D 4052*	*g/ml*	*0,858*
Kinematic Viscosity, 40 °C (extrapolated)	*D 445*	*mm²/s*	*54*
Kinematic Viscosity, 100 °C	*D 445*	*mm²/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.