PRODUCT DATA SHEET

ZF Ecofluid A Life

Fully synthetic automatic transmission oil.

Description

The fully synthetic ATF ZF-EcoFluid A Life was specially developed for use in Ecomat and ZF-EcoLife transmissions. The combination of a synthetic base oil (based on poly-alpha-olefins) with a specially balanced additive package delivers superlative oxidation stability and constant friction characteristics. ZF-EcoFluid A Life is also distinguished by its flat viscosity-temperature characteristic curve, and is there fore particularly suited for use in both cold and hot climatic regions.

Applications

ZF-EcoFluid A Life is fully synthetic oil for automatic commercial vehicle transmissions. ZF-EcoFluid A Life is particularly recommended for city buses and coaches as well as for extreme pressures, such as demanding topography, stop-and-go traffic, and frequent retarder operation.
ZF-Ecofluid A Life fulfills all specified in the ZF List of Lubricants, TE-ML 04D, 14E, 16N, 16Q, 20F.
ZF-EcoFluid A Life is miscible with all other ATF grades specified in the ZF List of Lubricants, TE-ML 04D, 14E, 16N, 16Q, 20G.

Benefits

- *Extended drain capabilties up to 120.000 km*
- *Full synthetic formulation to provide an extreme thermal stability.*
- *Improved shear stability for a stable viscosity during use*
- *Excellent oxidation and thermal stability*
- *Full synthetic formulation to provide an extreme thermal stability.*

Specifications, recommendations and approvals

MAN	339 Type Z13	ZF	TE-ML 16N
MAN	339 Type Z4	ZF	TE-ML 16Q
ZF	TE-ML 04D	ZF	TE-ML 20F
ZF	TE-ML 14E	ZF	TE-ML 25F

Color code blue: Approved

Properties

	Method	Unit	Typical
Density, 15 ˚C	*D 4052*	*g/ml*	*0,842*
Kin. Viscosity Base Oil at 40 ˚C	*D 445*	*mm²/s*	*61*
Kinematic Viscosity, 100 ˚C	*D 445*	*mm²/s*	*10.1*
Viscosity Index	*D 2270*	*-*	*150*
Brookfield Viscosity, -40 ˚C	*D 2983*	*Pa.s*	*28*
Pour Point	*D 97*	*˚C*	*-57*
Flash Point, P-M	*D 93*	*˚C*	*240*

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