Q8 Oils

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**		

Color code blue = officially 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.