



ZF EcoFluid E

Gear oil for electric drive systems from ZF

Product Description:

ZF EcoFluid E is a high-performance oil that was specially developed for the electric drivelines of ZF for the use in commercial vehicles. A special mixture of hydrocracked and synthetic base oils, combined with a specific oil viscosity and an innovative selection of additives, ensure excellent lubrication and friction properties as well as high performance in E-drive units under highly stressed applications.

ZF EcoFluid E fulfills the requirements of the ZF Lubricants list TE-ML 28, lubricant class 28A.

Advantages:

- Suitable for electric drivelines with oil-cooled electric machines
- High insulation resistance
- No formation of electrically conductive layers
- No copper corrosion
- High oxidation stability under the influence of copper
- Good compatibility with insulation materials
- Very good efficiency
- Very good protection for gears and bearings



ZF Friedrichshafen AG
Product data sheet

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Product characteristics:

Product-No.		
Canister	20 l	0671.090.556
Canister	5 l	0671.090.557
Typical data		
Density at 15 °C (ISO 12185)	kg/m ³	843
Viscosity at 100 °C (ISO 3104)	mm ² /s	24,8
Viscosity at 40 °C (ISO 3104)	mm ² /s	5,5
Viscosity at 100 °C after shear test 192h (CEC-L-45-A-99)	mm ² /s	23,8
Viscosity at 40 °C after shear test 192h (CEC-L-45-A-99)	mm ² /s	5,3
Brookfield-viscosity at -40 °C (DIN 51398)	mPa.s	6800
Viscosity grade (SAE J 306)	-	75W-70
Pour Point (ASTM D5950)	°C	-42
Flash Point (ASTM D92)	°C	200
Scuffing resistance A/8,3/90 (ISO 14635-1)	Fail load stage	>12
Scuffing resistance A10/16,6R/90 (ISO 14635-2)	Fail load stage	8

Small container (up to 20 l) must be shaken vigorously for at least 30 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 permissible storage time until the oil must be stirred or shaken before removal is 7 days.