



## ZF EcoFluid XE

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### Gear oil for electric drive systems from ZF

#### Product Description:

ZF EcoFluid XE is a high-performance oil that was specially developed for the electric drivelines of ZF for the use in commercial vehicles, where a particularly high level of gear and bearing protection is required. 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.

#### Advantages:

- Excellent protection for gears and bearings
- 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



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Product characteristics:

<b>Produkt-Nr.</b>		
Canister	5 l	AA02.913.521
Canister	20 l	AA02.872.349
Drum	208 l	AA02.872.397
<b>Typical data</b>		
Density at 15 °C (ISO 12185)	kg/m <sup>3</sup>	849
Viscosity at 100 °C (ISO 3104)	mm <sup>2</sup> /s	69
Viscosity at 40 °C (ISO 3104)	mm <sup>2</sup> /s	12,3
Viscosity at 100 °C after shear test 192h (CEC-L-45-A-99)	mm <sup>2</sup> /s	67,5
Viscosity at 40 °C after shear test 192h (CEC-L-45-A-99)	mm <sup>2</sup> /s	12,0
Brookfield-viscosity at -40 °C (DIN 51398)	mPa.s	90000
Viscosity grade (SAE J 306)	-	75W-85
Flash Point (ASTM D92)	°C	220
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	9

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.