



ZF EcoFluid M

Hydrocrack SAE 75W-80 Manual Transmission Fluid

Product Description:

ZF EcoFluid M is a hydrocracking-produced high-performance oil which was especially developed for mechanical ZF transmissions. The correspondingly adapted, innovative additive package warrants excellent lubrication and friction characteristics even under extreme loads; all in all, fuel consumption savings of up to 1 % can be guaranteed for the entire term of application.

Application:

- **ZF EcoFluid M** is a synthetic transmission oil specifically developed for the use in manual and automatic transmissions for commercial vehicles (trucks, buses, light commercial vehicles, vans).
- **ZF EcoFluid M** fulfils the requirements of Lubricant Classes TE-ML 01E, 02E, 16P and permits very long oil-change intervals (max. 540.000 km or 3 years).
- **ZF EcoFluid M** small container (up to 20 l) must be shaken vigorously for at least 15 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.

Advantages:

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| <p>- Reduced immobilization time - Reduced service costs</p> | <p>thanks to long oil-change intervals on account of excellent temperature resistance and oxidation stability</p> |
| <p>- Fuel consumption reduced by as much as 1.0% compared to mineral transmission fluids</p> | <p>through reduced friction and churning loss</p> |
| <p>- High level of reliability - Long transmission service life</p> | <p>through high-quality protection of transmission components, especially of synchronizers and gearings</p> |



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| - Improved shifting comfort | through optimal tuning of viscosity and friction properties |
| - Use in all climatic zones, also in hot and cold regions | thanks to a particularly flat viscosity characteristic |
| - Ecofriendly | thanks to long oil-change intervals and fuel savings |

Product properties:

| Product no. | | |
|------------------------------------|--------------------|------------------|
| Canister | 20 l | 0671.090.384 |
| Barrel | 200 l | 0671.090.385 |
| Container | 1000l | 0671.090.386 |
| Properties (typical values) | | |
| Density at 15° C | kg/m ³ | 858 |
| Viscosity at 40° C | mm ² /s | 54 |
| Viscosity at 100°C | mm ² /s | 9.3 |
| Viscosity index | - | 157 |
| Brookfield viscosity at -40° C | mPa.s | 42.400 |
| Flash point (COC) | °C | 240 |
| FZG A/8.3/90 | Damage load stage | >12 |
| FZG A10/16.6R/90 | Damage load stage | 10 |
| Other specification | | MAN 341 Type Z-5 |