

TMS OIL 970 SERIES

High Performance Transmission Oil for Off-Highway Vehicles

Description

High performance transmission oils developed for use in transmissions of off-highway vehicles with wet brake systems and torque converters, operating under heavy-duty conditions. Provides superior protection against micropitting.

Applications

Suitable for transmissions of construction equipments requiring CAT TO-4, GM Allison C4 and Komatsu Micro Clutch specifications.

Benefits

- Prolongs the equipment life.
- Delivers excellent performance under variable load and speed conditions by keeping friction under control due to its high load-carrying capacity.
- Reduces noise and prevents wear.
- Makes the suitable choice easier for all systems by its wide viscosity range.
- Compatible with all kinds of alloys.
- Provides superior protection against oxidation and corrosion.

Performance

GM Allison C-4, Caterpillar TO-4, Komatsu Micro-Clutch, API CF-2, Caterpillar 1M-PC, ZF TE-ML 01/03.

Typical Specifications*

| TMS OIL | | 971 | 973 | 975 |
|---------------------------------------|------------|-------|-------|-------|
| SAE Viscosity Grade | | 10W | 30 | 50 |
| Density, 15 °C, kg/liter | ASTM D4052 | 0,880 | 0,900 | 0,910 |
| Flashing Point, COC, °C | ASTM D92 | 230 | 250 | 250 |
| Viscosity, 40 °C, mm ² /s | ASTM D445 | 40 | 109 | 217,7 |
| Viscosity, 100 °C, mm ² /s | | 6,30 | 11,70 | 18,50 |
| Viscosity Index | ASTM D2270 | 105 | 96 | 94 |
| Pour Point, °C | ASTM D97 | -33 | -15 | -12 |

* Values shown may differ between productions.



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