

# 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/m <sup>3</sup>   | ASTM D-4052 | 0,880 | 0,900 | 0,910 |
| Flashing Point, COC, °C               | ASTM D-92   | 230   | 250   | 250   |
| Viscosity, 40 °C, mm <sup>2</sup> /s  | ASTM D-445  | 40    | 109   | 217,7 |
| Viscosity, 100 °C, mm <sup>2</sup> /s |             | 6,3   | 11,7  | 18,5  |
| Viscosity Index                       | ASTM D-2270 | 105   | 96    | 94    |
| Pour Point, °C                        | ASTM D-97   | -33   | -15   | -12   |

\* Values shown may differ between productions.



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