

LUBRAL HYDRAULIC MF SAE 30 TO₄ TO₄ TRANSMISSION OIL

DESCRIPTION

Made with selected paraffinic base oils and a package of anti-rust, antioxidant, anti-wear, anti-foaming and viscosity index improvers additives.

Very high performance product for transmissions and final drives formulated to meet the rigorous specifications required by Caterpillar TO-4.

Designed to optimize the performance of powershift transmissions, gearboxes and final drives.

BENEFITS

- Stability to oxidation
- Excellent corrosion resistance,
- Great compatibility with elastomers,
- Control friction,
- Excellent fluidity at low temperatures,
- Longer gear life
- Increases the life of clutch discs by up to 45%.
- Better machine traction.
- Control brake vibration.
- High load capacity, to avoid wear on highly loaded gears and bearings

APPLICATIONS

In hydraulic applications they provide maximum protection, in systems with high pressures. Its technology combines selected base oils with high quality additives, which provide adequate lubrication in order to maximize productivity in equipment operating under severe conditions in construction, mining and extraction.

Ensures optimum performance and life in Caterpillar machine disc brakes, transmission oil and final drives, for use in Caterpillar vehicle friction devices, power shift transmissions, clutches and brakes and other vehicle drive train components such as final drives, crowns and differentials.

SPECS

This product meets the requirements of Caterpillar TO-4, Allison C-4 and Komatsu Micro-Clutch to lubricate the transmission / drive train (TDTO).

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CHARACTERISTICS

| TESTS | TEST METHOD | TYPICAL VALUE |
|---------------------------------|-------------|---------------|
| SAE Viscosity Grade | SAE J300 | 30 |
| Color | ASTM D1500 | 3.0 |
| Appearance | Visual | Brilliant |
| Density @20°C, g/ml | ASTM D1298 | 0.88 |
| Kinematic Viscosity @40°C, cSt | ASTM D445 | 99 |
| Kinematic Viscosity @100°C, cSt | ASTM D445 | 11 |
| Viscosity Index | ASTM D2270 | 100 |
| Flash Point COC °C | ASTM D92 | 236 |
| Pour Point, °C, máx. | ASTM D92 | -15 |
| Resistance To Rust Formation | ASTM D665 | Pass |
| Foaming ml/min, máx. | ASTM D892 | |
| Sequence I | | 20/0 |
| Sequence II | | 50/0 |
| Sequence III | | 20/0 |

Typical Properties are those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are expected during normal manufacturing and at different mixing locations.

The information in this document is subject to change without notice. Product availability may vary depending on the location. For more information, you can contact us at venta@lubral.com