LUBRAL HYDRAULIC MF SAE 50 TO$_4$
TO$_4$ 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. Developed to ensure optimum performance and service life in Caterpillar machine disc brakes, transmission oil 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

Developed for use in Caterpillar vehicle friction devices, power shift transmissions, clutches and brakes and other vehicle drive train components such as final drives, rings and differentials.

SPECS

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

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CHARACTERISTICS

TESTS	TEST METHOD	TYPICAL VALUE
SAE Viscosity Grade	SAE J300	50
Color	ASTM D1500	3.5
Appearence	Visual	Brilliant
Density @20°C, g/ml	ASTM D1298	0.89
Kinematic Viscosity @40°C, cSt	ASTM D445	205
Kinematic Viscosity @100°C, cSt	ASTM D445	18
Viscosity Index	ASTM D2270	95
Flash Point COC, °C	ASTM D92	242
Pour Point, °C	ASTM D97	-9
Resistence 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