



## HT Fluid TO-4 SAE 50

Product Code: 77220

Heavy Duty Powershift Transmission Fluid

**HT Fluid TO-4 SAE 50** is specifically designed for powershift transmissions, final drives and wet brakes on heavy duty off-highway equipment used in earthmoving, mining logging, road transport and agricultural applications.

**HT Fluid TO-4 SAE 50** is formulated with high refined solvent mineral base stock in combination with a special additive package to reach the following properties.

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals possible.

**HT Fluid TO-4 SAE 50** exceeds the following performance criteria:

Caterpillar TO-4  
Vickers I-286-S

Caterpillar TO-2  
Vickers M2950S

API GL-4

Komatsu KES 07.868.1

### Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	50
Density @15°C	kg/m <sup>3</sup>	ASTM D4052	900.9
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	209.0
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	18.6
Viscosity Index		ASTM D2270	98
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-21
Total Base Number	mgKOH/g	ASTM D2896	9.2

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