



## HT Fluid TO-4 30

Product Code: 77210

Heavy Duty Powershift Transmission Fluid

**HT Fluid TO-4 30** 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 30** 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 30** exceeds the following performance criteria:

Caterpillar TO-4	Caterpillar TO-2	Allison C-4	API GL-4
ZF TE-ML 03C	Komatsu Dresser	Vickers I-286-S	Vickers M2950S
ZF TE-ML 07D,F	Komatsu KES 07.868.1	DANA Powershift transmissions	

### Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J3000	30
Density @15°C	kg/m <sup>3</sup>	ASTM D4052	892.7
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	99.9
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	11.4
Viscosity Index		ASTM D2270	100
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-27
Total Base Number	mgKOH/g	ASTM D2896	10.0

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