



HT Fluid TO-4 10W

Product Code: 77200

Heavy Duty Powershift Transmission Fluid

HT Fluid TO-4 10W 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 10W 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 10W exceeds the following performance criteria:

Caterpillar TO-4	Caterpillar TO-2	Allison C-4	API GL-4
ZF TE-ML 03C	Vickers 35VQ25	Vickers I-286-S	Vickers M2950S
Komatsu Dresser	Komatsu KES 07.868.1	DANA Powershift transmissions	

Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	10W
Density @15°C	kg/m ³	ASTM D4052	860.5
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	37.0
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	6.4
Viscosity Index		ASTM D2270	126
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	9.3

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