



# TRANSMISSION FLUID TO-4M

## Product Description:

**TRANSMISSION FLUID TO-4M** 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.

**TRANSMISSION FLUID TO-4M** is formulated with a 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.

**TRANSMISSION FLUID TO-4M** exceeds the following performance criteria:

**Caterpillar TO-4M**  
**ZF TE-ML 03C**  
**Vickers 35VQ25**

**Komatsu KES 07.868.1**  
**Komatsu Dresser**  
**DANA Powershift Transmissions**

**Allison C-4**  
**API CF-2/CF**



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	10W-40
Density @ 15°C	kg/m <sup>3</sup>	ASTM D4052	856
Kin. Viscosity @ 40°C	mm <sup>2</sup> /s	ASTM D7042	102
Kin. Viscosity @ 100°C	mm <sup>2</sup> /s	ASTM D7042	14.6
Viscosity Index		ASTM D2270	147
Total Base Number	mgKOH/g	ASTM D2896	8.1
Flash Point COC	°C	ASTM D92	>200
Pour Point	°C	ASTM D7346	-36

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