



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
Caterpillar TO-2

Komatsu KES 07.868.1
Komatsu Dresser
DANA Powershift Transmissions

Allison C-4
API GL-4



| Property | Unit | Test Method | Typical Value |
|-----------------------|--------------------|-------------|---------------|
| SAE Grade | | SAE J300 | 10W-40 |
| Density@15°C | kg/m ³ | ASTM D4052 | 856 |
| Kin. Viscosity @40°C | mm ² /s | ASTM D7042 | 102 |
| Kin. Viscosity @100°C | mm ² /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 |

Product Nr: 43165
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