

## NORDIC PERMANENT SAE 30 TO-4 FLUID

### Heavy Duty Powershift Transmission Fluid

**NORDIC PERMANENT SAE 30 TO-4 FLUID** 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.

**NORDIC PERMANENT SAE 30 TO-4 FLUID** 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.

**NORDIC PERMANENT SAE 30 TO-4 FLUID** exceeds the following performance criteria:

Caterpillar TO-4  
ZF TE-ML 03C  
ZF TE-ML 07F

Komatsu KES 07.868.1  
Komatsu Dresser

Allison C-4  
DANA Powershift transmissions  
API CF-2/CF

#### Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J3000	30
Density @15°C	kg/m <sup>3</sup>	ASTM D4052	889
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	85.1
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	10.3
Viscosity Index		ASTM D2270	101
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D97	-30
Total Base Number	mgKOH/g	ASTM D2896	9.1

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Supersedes:

Revision Nr.: 1