

Product Data Sheet

DESCRIPTION

Pro Performance TO-4 Fluids are formulated to meet the demanding requirements of Caterpillar TO-4 and Allison C-4 specifications in transmissions, final drives and hydraulic systems. Pro Performance TO-4 Fluids are designed to meet those applications requiring an SAE 10W primarily for hydraulic systems, SAE 30 for transmissions, and SAE 50 for final drives. They are also recommended for heavy-duty truck automatic transmissions requiring fluids meeting SAE 10W or SAE 30 viscosity characteristics.

Pro Performance TO-4 Fluids are formulated with premium base stocks and select additives to provide ultimate performance in transmission and drivetrain applications operating under increased loads and high temperatures. They provide increased shear stability, resistance to oil oxidation, corrosion protection and excellent anti-wear performance. The high-performance additive system helps reduce brake chatter in wet brake applications.

APPLICATIONS

- Transmission, final drives and wet brakes in Caterpillar and Komatsu
- Transmission, torque converters and hydraulic systems in Allison, Dana Powershift and ZF
- Mobile hydraulic systems

PERFORMANCE BENEFITS

- Advance protection against wear under high load
- Excellent oxidation stability and sludge control
- Designed for new and older drivetrain components
- Maximum foam protection
- Excellent shear stability
- Oxidation inhibited to prevent oil thickening

RECOMMENDED APPLICATIONS:

Caterpillar TO-4
Allison C-4 (SAE 10W, 30)
Komatsu
Dana Powershift
ZF
Vickers

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Typical Characteristics

ISO Grade	ASTM-D	10W	30	50
Gravity, API	1298	29.3	27	26
Viscosity @ 40 C, cSt	445	39	104	210
Viscosity @ 100 C, cSt	445	6.7	11.4	19
Viscosity Index	2270	101	96	93
Flash Point, C (F)	92	204 (400)	254 (490)	254 (490)
Pour Point C (F)	97	-30 (-22)	-24 (-11)	-15 (-5)
TBN	2896	7.1	7.1	7.1
Sulfated Ash, Wt. %		1.2	1.2	1.2
Zinc, Wt. %		0.124	0.124	0.125