Product Data Sheet:

TO-4 TRANSMISSION FLUID 10W

Product Description:

TO-4 TRANSMISSION FLUID 10W is specifically designed for power shift transmissions, final drives and wet brakes on heavy duty off-highway equipment used in earthmoving, mining logging, road transport and agricultural applications. **TO-4 TRANSMISSION FLUID 10W** is blended from high quality base oils and additives to provide wear protection, thermo-oxidative stability, frictional characteristics and rust & corrosion protection. **TO-4 TRANSMISSION FLUID 10W** is designed to meet the performance requirements of Caterpillar TO-4 & Komatsu power shift transmissions.

TO-4 TRANSMISSION FLUID 10W has improved thermo-oxidative stability giving protection of metal surfaces against scuffing and wear thus giving longer oil and equipment life. Good control of frictional properties prevents clutch slippage and ensures smoother operation of transmissions and brakes. **TO-4 TRANSMISSION FLUID 10W** provides good protection against rust and corrosion to precision equipment components when operating in humid conditions. Keeps metal parts free of sludge and varnish leading to reliable operation and excellent foam control ensures effective wet brake and transmission performance and controls brake chatter.

TO-4 TRANSMISSION FLUID 10W is suited for power shift and automatic transmissions, wet brake, torque converters and hydrostatic systems requiring these quality fluids. Also suited for heavy duty manual transmissions, gear boxes, final drives and hydraulic systems used in off highway equipments for earthmoving, agricultural, logging, construction and mining applications requiring fluids meeting the below mentioned specifications.

Specifications:

Exceeds: Caterpillar TO-4, Komatsu KES 07.868.1, Allison C-4, ZF TE-ML-03, API CF/CF-2

Property:	Test Method:	Typical Values:
SAE Viscosity Grade	SAE J300	10W
Density @ 15°C	ASTM D4052	877 kg/m^3
Kinematic Viscosity @ 40°C	ASTM D7042	30.5 mm^2/s
Kinematic Viscosity @ 100°C	ASTM D7042	5.5 mm^2/s
Low-Temperature Cranking Viscosity @ -25°C	ASTM D5293	<7000 mPa.s
Viscosity Index	ASTM D2270	117
Flash Point	ASTM D92	>160°C
Pour Point	ASTM D97	<-36°C