



Transmax Offroad 50

Powershift Transmission Fluid

Description

Castrol Transmax Offroad 50 is a transmission lubricant using highly refined mineral oil, designed for use in powershift transmissions, direct drive transmissions, wet disc brakes, final drives and differentials in off road machinery where Caterpillar TO-4 is required, and recommended for use in Komatsu off-road machinery drivetrain and hydraulics. It is also suited to severe operating conditions such as mining.

Advantages

- Excellent oxidation stability maintains high temperature performance and transmission cleanliness during service life.
- Stable friction characteristics eliminate slippage and reduce brake noise.
- Excellent friction performance with a wide range of friction materials ensures smooth positive changes and enhanced friction material durability.
- Improved wear performance extends component life. • Suitable for mining and Off-Highway applications.

Typical Characteristics

Name	Method	Units	Transmax Offroad 50
Density @ 15C, Relative	ASTM D4052	g/ml	0.8973
Viscosity, Kinematic 100C	ASTM D445	mm ² /s	18.6
Viscosity, Kinematic 40C	ASTN D445	mm ² /s	213
Viscosity Index	ASTM D2270	None	100
Viscosity, Brookfield @ -15C	ASTM D2983	mPa.s (cP)	40380
Pour Point	ASTM D97	°C	-27
Flash Point, COC	ASTM D92	°C	256

Product Performance Claims

Meets CAT TO-4

Recommended for use in Komatsu Equipment

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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11 Nov 2020

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