

product data sheet

VARTRANS T04 SAE 50

Off Highway Transmission and Hydraulic Oil

VARTRANS T04 SAE 50 is formulated with high quality mineral oils and additives designed to provide the correct frictional characteristics required by Caterpillar in transmission and hydraulic systems. The additive system also gives this oil improved temperature performance, superior resistance to oxidation, rust, corrosion and improved anti-foam properties. In addition these grades have excellent extreme pressure (EP) and anti-wear characteristics ensuring maximum frictional material life in power shift transmissions

VARTRANS T04 SAE 50 is designed for use in a wide variety of Caterpillar construction and material handling equipment. Applications include: power shift transmissions, direct drive transmissions, winches, final drives for track-type tractors (pipe layers, skidders, loaders, excavators, etc.) and wheeled tractors (loaders, compactors, graders, etc.) and certain hydraulic systems.

VARTRANS T04 SAE 50 has outstanding wet brake performance, eliminating "squawk and chatter" and prolonging component life.

Key Features

Reduces sludge formation.
Excellent high temperature stability and reduced oxidation.
Excellent anti-wear protection for reduced wear.
May also be used in Allison and ZF power shift transmissions, manual transmissions and torque converters, where an oil of this type and specification is required.
Provides protection if accidentally used in an engine.

Specifications

Caterpillar	TO-4
Allison	C-4
API	MT-1
ZF	TE-ML 03C
Komatsu	KES 07.861.1

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Typical Data		
Parameter	Unit of measure	Result
Viscosity Grade		SAE 50W
Kinematic Viscosity @ 40°C	mm²/Sec	210.10
Kinematic Viscosity @ 100°C	mm²/Sec	18.65
Viscosity index	-	98
Pour point	°C	-27
Specific Gravity	g/cm³	0.888
Appearance	-	Clear and bright
Colour	-	Amber

Additional Products			
Varsynth Ultra	A range of semi & synthetic engine oils available in a wide range of specifications.	Vartrans	A range of automotive gear and transmission oils available in both mono and multi-grade viscosities.
Varol Anti-freeze	Available in concentrated form and also pre-mixed ready for use.	Varol Screen Wash	High performance commercial screen wash