

# TO-4 FLUID SAE 50

## DESCRIPTION

TO-4 Fluid SAE 50 is a high performance transmission and drive-train lubricant designed to meet the requirements of Caterpillar's TO-4 specifications. TO-4 Fluid SAE 50 is engineered to optimize the performance of powershift transmissions, gearboxes, and final drives. TO-4 Fluid SAE 50 contains an advanced additive system to deliver the precise performance parameters needed to maximize the productivity of construction, quarrying, and mining equipment operating in severe conditions.

## APPLICATIONS

TO-4 Fluid SAE 50 is compatible with new and traditional seal and clutch material, and heavy duty off highway automatic transmissions.

## BENEFITS

- Designed for heavy-duty construction equipment power shift transmissions
- Special additives protect metal surfaces against scuffing and wear
- Frictional controls stop slippage and assure silent and efficient action
- Resists oxidation at elevated operating temperatures
- Defends against rust and corrosion of highly refined precision parts
- Base oils and additives are carefully chosen for compatibility with clutch face and seal materials

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## Meets Performance Requirements:

- API MT-1, CF-2, CF
- CATERPILLAR TO-4
- ALLISON C-4
- KOMATSU KES 07.868.1 (2002)
- ZF TE-ML-03C, ZF TE-ML-07F

*\*Always consult your owners manual for the proper fluid for your equipment.*

## TYPICAL PHYSICAL PROPERTIES

SAE GRADE	50
Specific Gravity @ 60 °F	0.8978
Viscosity, Kinematic cSt at 40 °C	239.7
cSt at 100 °C	20.5
Viscosity Index	100
Flash Point, °F	461
Pour Point, °C (°F)	-10 (14)
Color	< 4.5

Typical test data are average values only. Minor variations which do not affect product performance are to be expected during normal manufacturing.