



LUBRICANTS



# Product Data Sheet

## TransDrive TO-4M SAE 50

### Synthetic Drivetrain Oil for Cat Transmissions, Differentials, Final Drives

A premium, full synthetic multi-functional fluid designed and recommended for applications outlined by Caterpillar TO-4, TO-4M and Komatsu. Provides excellent wear protection in high load, severe service applications in all types of work environments and temperatures. Refer to the OEM recommendations for selection of the proper viscosity grade.

### Features and Benefits

- Outstanding all-season performance
- Excellent load carrying for protections of final drive gear
- Extended oil drain – long fluid life
- Balanced friction properties for smooth clutch operation
- Increased Equipment Life
- Non-foaming – rapid air release
- Universal applications – reduced inventory
- Protects yellow metals against corrosion

### Applications

- Caterpillar TO-4, TO-4M, TO-2
- Construction Equipment
- Mining Equipment
- Off-Highway Equipment
- Heavy Duty Manual and Semi-Automatic Transmissions that specifies TO-4 Fluid
- Industrial Tractors
- Drive Axels
- Final Drives On/Off Highway
- Powershift Transmission and Torque Converters

### Typical Properties

SAE Viscosity Grade	Test Method	50
Product Code		331902
Specific Gravity		0.8634
Viscosity, cSt @ 40°C	ASTM D-445	108.5
Viscosity, cSt @ 100°C	ASTM D-445	18.1
Viscosity Index	ASTM D-2270	186
Brookfield Viscosity, cP	ASTM D-2983	3,900 @ -15°C
Pour Point, °C (°F)	ASTM D-5949	-27°C (-17°F)
Flash Point, °F (COC)	ASTM D-92	465
Zinc, % wt.	ASTM D-5185	0.13

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