

# POWERSHIFT TO-4 FLUID

Transmission, Hydraulic and Final Drive Oil



## Description

Today's Powershift transmissions, wet disc brakes and final drives are becoming more sophisticated and complex. They utilize much more advanced materials than just a few years ago. As a result, they require fluids to give optimum performance while providing protection to all components to maximize longevity. They must provide smooth brake operation and reduce wear on gears.

**Powershift TO-4 Fluid** is formulated to exceed all requirements of the TO-4 specification. Since Caterpillar no longer recommends multi-grade oils for transmissions, hydraulics, or differentials (final drives), TO-4 fluid is offered only in grades SAE 10W, SAE 30 and SAE 50.

**Powershift TO-4 Fluid** should not be used as an engine oil.

## Features/Benefits

- Stable Friction Characteristics to Reduce Brake Noise and Eliminate Clutch Slippage Even Under Heavy Loads
- Excellent Oxidation Stability and Sludge Control
- Excellent High Temperature Stability
- Excellent Low Temperature Fluidity
- Exceeds Wear Requirements of Caterpillar TO-4
- Maximum Foam Protection
- 50% Less Wear than non-TO-4 Fluids for Longer Life

Recommended for use in:

- Caterpillar TO-4
- Allison C-4
- Vickers
- Denison
- Sunstrand
- Sunstrand Hydrostatic
- Komatsu
- Hydrostatic

## Physical and Chemical Properties

Product Number	108	107	106
Grade	SAE 10W	SAE 30	SAE 50
API Gravity	30	27	26.3
Viscosity @ 100°C, cSt	6.2	11	17.5
Viscosity @ 40°C cSt	36.8	96	198
Viscosity @ -30°C, cSt	2,400	-	-
Viscosity @ -15°C, cSt	-	8,900	-
Viscosity Index	116	99	99
Pour Point, °F max	-30	-15	15