

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 & 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