

United TO-4 Fluid is a heavy-duty drivetrain lubricant designed primarily for use in transmissions, hydraulic systems, differentials, and final drives of Caterpillar equipment. It possesses the required wear, oxidation, deposit control, frictional characteristics, and seal compatibility as set forth in Caterpillar specification TO-4. It will provide excellent service in both new and older Caterpillar equipment. It also meets the Allison C-4 requirements for use in Allison powershift transmissions.

This oil is also recommended for use in some manual transmissions where the following combination of specifications are allowed: GL-1, API CD, and CAT TO-2. However, it should not be used to top off gear oils in these applications.

Features and Benefits:

- Excellent oxidation stability minimizes lacquer deposits
- Good friction retention provides consistent shifting
- Excellent wear protection, including heavily loaded components
- Rust/corrosion prevention protects internal parts
- Good seal properties controls swelling, hardening, and cracking

UNITED TO-4 FLUID			
SAE GRADE	10	30	50
Viscosity @ 100°C (cSt)	6.0	10.5	18.0
Viscosity @ 40°C (cSt)	35.0	89.0	195.0
Viscosity Index	117	100	101
Density (lb/gal)	7.22	7.35	7.42
Pour Point (°C)	-36	-27	-12
Pour Point (°F)	-33	-17	10
Flash Point (°C)	232	245	252
Flash Point (°F)	450	473	486
Copper Strip, 3 hrs @ 149°C	1A	1A	1A

Meets or Exceeds:

- Allison C-4, C-3 (SAE 10, 30)
- Caterpillar TO-4, TO-2 (Obsolete)
- Eaton
- Komatsu Dresser
- Komatsu Micro-Clutch
- Manual Transmissions requiring GL-1, API CD, CAT TO-2
- ZF TE-ML 03
- ZF TE-ML 01 (Obsolete)

Product Availability: United TO-4 SAE 10

- 2 x 2.5 Gal
- 55 Gal
- 265 Gal
- Bulk
- Item # 467326
- Item # 191215
- Item # 210927
- Item # 191216

Product Availability: United TO-4 SAE 30

- 2 x 2.5 Gal
- 55 Gal
- 265 Gal
- Bulk
- Item # 467325
- Item # 192401
- Item # 210928
- Item # 191218

Product Availability: United TO-4 SAE 50

- 2 x 2.5 Gal
- 55 Gal
- 265 Gal
- Bulk
- Item # 467324
- Item # 191220
- Item # 210929
- Item # 192663