

UNITED SYNTHETIC MULTI VISCOSITY TO-4 FLUID



United Synthetic Multi Viscosity TO-4 Fluid is a heavy-duty full synthetic 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 the 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, CAT TO-2. However, it should not be used to top off gear oils in these applications.

Features and Benefits:

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

TYPICAL SPECIFICATION DATA

UNITED SYNTHETIC MULTI VISCOSITY TO-4 FLUID		
SAE GRADE	0W-20	15W-40
Viscosity @ 100°C (cSt)	7.5	15.0
Viscosity @ 40°C (cSt)	41.0	99.0
Viscosity Index	152	159
Density (lb/gal)	7.05	7.17
CCS Viscosity (cP)	5,500	5,200
Pour Point (°C)	-54	-39
Pour Point (°F)	-65	-38
Flash Point (°C)	250	240
Flash Point (°F)	482	464
KRL Stability	10%	10%

Meets or Exceeds:

- Allison C-4
- 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 Synthetic Multi Viscosity TO-4 SAE 0W-20

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|-----------|-----------------|
| • 55 Gal | • Item # 258412 |
| • 265 Gal | • Item # 258411 |
| • Bulk | • Item # 269643 |

Product Availability: United Synthetic Multi Viscosity TO-4 SAE 10W-30

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|------------|-----------------|
| • 55 Gal | • Item # 395745 |
| • 265 Gal* | |
| • Bulk | • Item # 395744 |

Product Availability: United Synthetic Multi Viscosity TO-4 SAE 15W-40

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|-----------|-----------------|
| • 55 Gal | • Item # 258414 |
| • 265 Gal | • Item # 258413 |
| • Bulk | • Item # 269644 |

**Contact your local United Account Manager for product availability.*

