

# UNITED SYNTHETIC HEAVY DUTY TRANSMISSION FLUID



United Synthetic Heavy Duty Transmission Fluids are engineered for excellent protection of heavy-duty transmissions found in on- and off-road equipment.

## Features/Benefits:

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- High film strength and load-capacity protect gears and bearings against wear
- Good cold-temperature properties reduce warm-up times and the need to switch to a lower viscosity in the winter
- Thermal stability resists viscosity increase and provides strong protection at high temperatures
- Excellent seal compatibility helps extend seal life and reduce leaks
- Designed to prevent clutch slippage and glazing
- Resists rust and foam while being non-corrosive to copper (yellow metals)

## Meets or Exceeds:

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- Caterpillar TO-4
- Komatsu KES 07.868.1
- Allison C4
- ZF TE-ML 03C
- DANA Powershift Transmissions
- TE-ML 07F (30W)

# TYPICAL SPECIFICATIONS

<b>SAE Grade</b>	<b>10</b>	<b>30</b>
Viscosity @ 100°C (cSt), ASTM D445	7.3	10.9
Viscosity @ 40°C (cSt), ASTM D445	42.8	76.1
Viscosity Index, ASTM D2270	134	132
Density (lb/gal), ASTM D1298	7.098	7.282
Pour Point (°C), ASTM D97	-48	-40
Pour Point (°F), ASTM D97	-54	-40
Flash Point (°C), ASTM D92	246	230
Flash Point (°F), ASTM D92	475	446
Total Acid Number (TAN), ASTM D664	2.12	1.8
Brookfield Viscosity, cP, ASTM D2983 (-35°C) (-25°C)	10,920	10,520
Four Ball Wear Test, 75°C 1200 rpm, 40 kg, 1 hr, ASTM D4172	0.36	0.43

## Product Availability:

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- 5 Gallon Pail
- 55 Gallon Drum
- 275 Gallon Tote