



SYNTHETIC PREMIUM Transmission Oil

Description

Synthetic Premium Transmission Oils are high quality synthetic transmission oils designed to provide excellent all-temperature performance in heavy duty transmissions, wet brakes and hydraulic systems. These transmission oils provide superior shear stability for greater equipment protection than conventional petroleum oils with standard viscosity index improvers.

Synthetic Premium Transmission Oils are thermally stable and resistant to oxidation from high temperatures. They contain premium additives to improve equipment and oil life.

Synthetic Premium Transmission Oils are formulated to meet or exceed the following specifications:

- ✓ Caterpillar® TO-4 (SAE 10W, 30, 50)
- ✓ Komatsu® KES 07.868.1 (SAE 10W, 30, 50)
- ✓ Allison® C-4 (SAE 10W, 30)
- ✓ ZF TE-ML 03C (SAE 10W, 30)
- ✓ Dana Powershift (SAE 10W, 30)
- ✓ TE-ML 07F (SAE 30)
- ✓ Spicer Clark-Hurth Powershift (SAE 10W, 30)
- ✓ Tremec/TTC (SAE 50)
- ✓ Eaton Manual Transmissions (SAE 50)

Features/Benefits

- ✓ **Thermally Stable and Resists Oxidation from High Temperatures**
- ✓ **Fulfills API CD, CF and CF-2 Diesel Requirements (not designed for use in engines)**
- ✓ **Excellent for Manual Transmissions Calling for API CD SAE 30 and 50 Engine Oils**
- ✓ **Anti-wear and Mild EP Fortified for Excellent Protection of Gears in the Final Drive**
- ✓ **Shear Stable and Maintains Viscoisty Grade Throughout Service Life**
- ✓ **Provides Improved Cold Temperature Performance Over Conventional Oils**
- ✓ **Compatible with Common Metallic and Nonmetallic Friction Modifiers**
- ✓ **Suppressed Break Noises and Vibration**

Physical & Chemical Properties

Product Number	210	211	212
Grade	SAE 10W	SAE 30	SAE 50
Viscosity @ 100°C, cSt	7.3	10.9	18.7
Viscosity @ 40°C cSt	42.8	76.1	172.5
Viscosity Index	134	132	122
Density, lb/gal	7.098	7.282	7.374
Color	L4.5	L5.0	L5.0
Flash Point, °C (°F)	246 (475)	230 (446)	236 (457)
Pour Point, °C (°F)	-48 (-54)	-40 (-40)	-36 (-33)
Four Ball Wear Test, 40 kg, 1200 rpm, 75°C, 1 hour	0.36	0.43	0.45
Total Acid Number (TAN)	2.12	1.8	1.8