



Signal Tech Gear Oils

Product Application:

Signal Tech Gear Oils, 75W-90 & 80W-140 are superior quality extended life synthetic drivetrain lubricants designed to meet the most demanding on and off road applications while meeting all extended warranty requirements.

They are designed for use in heavy-duty drivetrain systems by providing for excellent lubricants, extreme pressure protection while maintain proper viscosity in all types of climates.

Signal Tech Gear Oils are formulated with the latest state of the art synthesized base stocks and most advanced additive componentry to provide excellent thermal and oxidative stability, tenacious shear stability while providing for extended drain intervals and maintaining the necessary friction modification to provide excellent fuel economy.

Features & Advantages

- *Excellent thermal and oxidation stability
- *High viscosity index and low pour point
- *Excellent seal compatibility
- *Enhanced friction reducing capabilities

Meets or Exceeds the following Specifications:

SAE J2360	MIL-PRF 2105E
API GL-4 & API GL-5	Dana SHAES 429
Mack CO-G/S, GO-H/S, GO-J	DANA SHAES 256 Rev. C
Mil-PRF-2105E	International TMS-6816
Eaton	ZF TE-ML 05B/16F/21B
Arvin Meritor 076-R	MAN 342 Typ M2
Extreme pressure (EP) performance	Voith Tubro 132.00374402
Heavy duty truck rear axles	Flender BA 7302 Table R1
Domestic automobile rear axles and manual transmissions	Scania STO 2:0 A

Typical Characteristics:

	<u>75W-90</u>	<u>80W-140</u>
Viscosity, ASTM D 445		
cSt @ 40°C	120	248
cSt @ 100°C	16.5	28
Viscosity Index, ASTM D 2270	148	148
Pour Point, °C, ASTM D 97	-49	-38
Flash Point, °C, ASTM D 92	210	214
Density @ 15°C kg/l, ASTM D 4052	0.860	0.870
Channel Point, °C	Below -70 (94)	
L-33 (7 Day Moisture Corrosion)	Pass	Pass
Cover Plate, % Rust	<1% Corrosion	<1% Corrosion
L-37 (High Torque)	Pass	Pass
L-42 (High Speed)	Pass	Pass
L-60 (Thermal Stability)	Pass	Pass
ASTM D-982 Foam Test	Pass	Pass
ASTM D-130	Pass, 1b	Pass 1b
FTM 3440 (Stability/Compatibly)	Pass	Pass
Timken OK Load, lb	65	70