

TECHNICAL DATA SHEETS

Chemoil Synthetic Topdrive Gear Box Oil 75W/90

Chemoil Synthetic Topdrive Gear Box Oil 75W/90 Oil is designed to provide superb performance when utilized in TopDrive gear boxes, multi-speed gear drives and various industrial equipment when API Service Classification GL-5 and MT-1 is specified. This product is formulated with proprietary PolyAlphaOlefin Synthetic base stocks that have outstanding thermal oxidation stability. The additive system provides extreme pressure characteristics, anti-wear performance, anti-corrosion inhibition, rust prevention anti-foaming tendencies and water emulsion breakers demulsifiers. Chemoil Synthetic Topdrive Gear Box oils are available in SAE grades 75W/90, and exceeds performance requirements as defined by API classifications GL-5 and MT-1

EQUIPMENT BENEFITS

- Outstanding low-temperature & high-temperature performance
- Maximum resistance to oxidation, sludge and varnish formation
- Protection against gear rust and corrosion
- Superior wear protection for critical gear components

PRODUCT FEATURES

- Formulated with superior base oil technology for maximum resistance to thermal breakdown
- Provides ultimate wear protection for critical gear components from shock loading
- Resists deposit formation to protect seals from deterioration and prevent loss of fluids

APPLICATIONS

Recommended for all Topdrives containing multi speed gear drives operating under the most severe conditions, extreme temperatures and extended service intervals requiring all OEM approvals and the specs listed below:

- Complies with API MT-1 capability for non-synchronized manual transmissions in heavy duty systems
- Meets the performance requirements of U.S. Military Specification MIL-PRF-2105E
- Eaton Axle PS-037, PS-163, PS-109 (75w-90)
- Mack GO-J Plus (75w-90) and GO-J (85w-140)

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Minor variations in typical physical properties may occur from normal manufacturing processes

Property	Test Method	75W-90	Property	Test Method	75W-90
API Service		GL-5 & MT-1	Brookfield Viscosity	ASTM D2983	60,978 @ -26
Pounds per Gallon	ASTM D1250	7.106	Viscosity Index	ASTM D2270	180.66
Gravity, API	ASTM D287	34.30			
Flash Point, °C (°F)	ASTM D93	208 (406)			
Pour Point, °C (°F)	ASTM D97	-51 (-59)			
Viscosity @ 40°C, cSt	ASTM D445	96.27			
Viscosity @ 100°C, cSt	ASTM D445	16.21			