

TECHNICAL DATA SHEETS

Chemoil Mudpump Universal Gear Oil

Chemoil Mudpump Universal Gear Oils are designed to provide world class performance in stationary/mobile oilfield pumps, rotating equipment on drilling/workover rigs, agitators, enclosed-gear systems, and various pieces of industrial equipment when API Service Classification GL-5 and MT-1 are specified. This product is created with quality base stocks that have outstanding thermal oxidation stability. The additive system provides extreme pressure characteristics, anti-wear performance, anti-corrosion inhibition, rust prevention and anti-foaming tendencies.

Chemoil Mudpump Universal Gear Oil is available in SAE grades 80W-90 and 85W-140, and exceeds performance requirements as defined by API classifications GL-5 and MT-1.

EQUIPMENT BENEFITS

- Outstanding low-temperature start-up performance
- Maximum resistance to oxidation, sludge and varnish formation
- Protection against gear rust and corrosion
- Optimum flow and protection in large systems
- Superior wear protection for critical gear components
- Provides superior protection in a wide range of temperatures. Designed for oilfield service where mobile equipment moves from region to region

PRODUCT FEATURES

- Formulated with superior base oil technology for maximum resistance to thermal breakdown
- SAE grades 80W-90 and 85W-140 are formulated with limited-slip (LS) additive
- Provides ultimate wear protection for critical gear components from shock loading and extreme pressure environments
- Resists deposit formation to protect seals from deterioration and prevent loss of fluids

APPLICATIONS

Recommended for oilfield Mudpumps, enclosed gear systems, rotating equipment and heavy-duty truck/forklift axles with hypoid gear sets operating under severe conditions, extreme temperatures and extended service intervals requiring:

- 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	80W-90	85W-140
API Service		GL-5 & MT-1	GL-5 &
Pounds per Gallon	ASTM D1250	7.416	7.480
Gravity, API	ASTM D287	27.38	26.01
Flash Point, °C (°F)	ASTM D93	161 (322)	208 (-407)
Pour Point, °C (°F) Viscosity	ASTM D97	-32 (-25)	-25 (-14)
@ 40°C, cSt	ASTM D445	142.6	375.5
Viscosity @ 100°C, cSt	ASTM D445	14.65	26.77
Brookfield Viscosity	ASTM D2983	133,525@-26	74,195@-12
Viscosity Index	ASTM D2270	101.6	96.3