



GIANT SYN INDUSTRIAL GEAR OIL

Fully Synthetic Industrial Gear Oil with Extreme Pressure, Anti-Wear Properties

DESCRIPTION

GIANT SYN INDUSTRIAL GEAR OIL is intended for enclosed gear sets operating under severe service conditions. Formulated with fully synthetic base oils and excellent extreme pressure, anti-wear additive packages, exhibiting good thermal and oxidative stability, GIANT SYN INDUSTRIAL GEAR OIL performs well under shock and load conditions at operating temperatures in excess of 110°C. The oil provides excellent protection against conventional wear modes such as scuffing as well as a high level of resistance against micro-pitting fatigue. In addition, compared to conventional gear oils, it offers improved lubrication of gearbox rolling element bearings.

PERFORMANCE STANDARDS

- AGMA 252.04
- ISO 6743 – 6 CKC
- DIN 51517 Part III
- ISO 12925-1 CKC
- US Steel 224

TYPICAL APPLICATIONS

GIANT SYN INDUSTRIAL GEAR OIL is recommended for splash or pressure circulation lubrication of most types of enclosed gears, especially where operating conditions involve heavy loads, high speeds and high relative sliding velocities at elevated ambient and operating temperatures.

It is also suitable for lubrication of other heavily loaded parts and components such as transmission couplings and plain bearings.

BENEFITS

- Excellent extreme pressure and anti-wear properties
- Effectively resistant to wear and scuffing of gears under severe shock and load conditions
- Exceptional thermal stability and resistance to oxidation and sludge formation even when operating at temperatures in excess of 110°C. This means extended oil-life and reduction of oil-change costs.
- Non-corrosive to steel, cast iron, copper and bronze
- Provides superior anti-rust and demulsibility properties

TYPICAL PROPERTIES

ISO VG	150	220	320
Density, kg/Litre @ 15°C	0.854	0.873	0.877
Kinematic Viscosity, cSt @ 40°C	151.0	219.2	322.5
Kinematic Viscosity, cSt @ 100°C	19.2	26.8	35.5
Viscosity Index	145	157	156
Pour Point, °C	-39	-37	-35
Flash Point COC, °C	210	238	238