

Penzstar Maxol Gear

Heavy-duty industrial gear oil

Product Description

Penzstar Maxol Gear series are high performance extreme pressure gear oils developed for lubrication of heavy duty industrial gears working under severe operating conditions. These are blended from high quality group 2 base stocks and sulphur-phosphorous type extreme pressure additive system that gives excellent load carrying capability to provide protection against shock loading and wear. The high thermo-oxidative stability of the oil helps resist high temperature deposit formation and oil thickening. In addition, these oils also possess excellent water separation characteristics and offer resistance to foaming. These oils (ISO 220 – 460) exceed the performance requirements of various industry specifications viz. DIN 51517 Part 3, AGMA 9005 D-94, and US Steel 224.

Features & Benefits

- Excellent load carrying capability protects gears against scuffing and wear and offers long equipment life and reduced maintenance costs
- High thermo-oxidative stability helps resist deposit formation, provides enhanced system cleanliness and enables longer service intervals
- Provides effective rust and corrosion protection to all gearbox components
- Excellent demulsibility property enables trouble-free operation in conditions encountering water/moisture

Applications

- Wide range of industrial spur, helical, bevel and steel-on-steel worm gears
- Heavy-duty industrial enclosed gears operating under heavy or shock loading conditions and requiring extreme pressure performance
- Journal and roller contact industrial bearings operating at low speeds and high loads
- Suitable for splash, mist and circulating systems
- Marine gear applications

Specification & Typical Properties

Typical Properties	Typical Values				
	150	220	320	460	680
ISO VG					
Viscosity, Kinematic					
at 40 °C, cSt	150	220	320	460	680
at 100 °C, cSt	15.0	18.88	24.15	30.66	39.5
Viscosity Index	97	96	96	96	96
Pour Point, °C	-15	-15	-12	-12	-12
Flash Point, COC, °C	240	244	250	262	268
Specific Gravity 15/15 °C	0.887	0.893	0.902	0.904	0.905