

Synthetic heavy-duty industrial gear oil

● Performance Overview

Maxtor synthetic heavy duty industrial gear oil is a base oil with specific synthetic components and is refined by adding high quality multi-functional additives. It is a high performance lubricant designed for heavy duty industrial gears. The gear oil is based on a specific composition of synthetic oil and is refined by adding multi-functional additives. It has thermal oxidation stability, hydrolysis stability and anti-emulsification properties, which can effectively separate the water mixed with the gear box and protect the equipment from corrosion and wear. This product is divided into 40°C motion viscosity 100, 150, 220, 320, 460 and other brands.



● Features

01

Compared with mineral oil, it has better viscosity-temperature performance and low-temperature performance, and can meet the requirements of use in a wider temperature range.

03

Good anti-corrosion, anti-rust and anti-foaming properties, effectively inhibiting the corrosion and wear of components and providing better protection for equipment.

02

It has good thermal stability and strong antioxidant properties, which can reduce the generation of various harmful oxides and extend the service life of oil products. It has better oil-water separation performance, can meet the use requirements of more demanding working conditions, and reduce oil consumption.

04

Excellent load-bearing capacity ensures smooth operation of heavy-loaded gears, reduces tooth surface scratches, and effectively reduces operating noise.

● Application Scenario

It is suitable for gear equipment in various harsh working conditions, especially in situations where low-temperature fluidity and water separation performance are required to be higher, such as heavy-load closed gear transmission systems in mining, metallurgy, cement and other industries. The operating temperature range is: -20 °C~120°C, and can reach 130°C in a short period of time.

Typical data of fully synthetic heavy-duty industrial gear oil

Project	Quality indicators					
Model	100	150	220	320	460	680
Kinematic viscosity (40°C), mm ² /s	99.93	150.6	221.2	313.8	463.7	686.9
Viscosity Index	113	113	112	112	115	119
Flash point (open), °C	236	248	250	252	258	262
Pour point, °C	-30	-26	-24	-23	-20	-17
Copper corrosion (100°C, 3h)/level No more than	1b					
Sediment control, direct heating by electric heating rod, 120°C*460h	No tar on the heating rod, no sediment in the oil, no staining on the utensils					

- The above data are typical values of current products. The data of each batch of products in the future may fluctuate within the allowable range of Maxtor quality standards.


