Synthetic gear oil

Performance Overview

Maxtop This synthetic gear oil is a high-grade synthetic heavy-duty industrial turbine drive gear oil formulated with selected polyethylene glycol lubricants and additives. This product provides excellent lubrication performance under harsh operating conditions, including improved energy efficiency, longer service life, and resistance to micropitting corrosion.

Features

01

Long service life, low maintenance costs, and excellent oxidation stability and thermal stability.

02

Excellent anti-wear performance, with outstanding load-bearing capacity and anti-micro-corrosion properties.

03

Protecting the system efficiency can enhance energy efficiency and reduce working temperature.

04

Outstanding lubrication performance. Compared with mineral oil, its online performance helps to extend the service life of gears and bearing components.

05

Excellent viscosity-temperature performance.

06

It does not caramelize or form sediment even when used for a long time at high temperatures.

Application Scenario

Closed industrial turbine systems, systems with extremely long service life, bearings and other components in the circulating lubrication and splash lubrication systems, suitable for lubrication of various medium and low-speed, medium-load closed industrial gears, worm gears and worm wheels, sliding and rolling bearings in industries such as metallurgy, building materials, petroleum, petrochemicals, chemical engineering, and mechanical processing.

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Synthetic gear oil performance indicators

Project	Quality indicators			
Model number	150	220	320	460
Appearance	Yellow to reddish-brown transparent liquid			
Kinematic viscosity (at 40℃) / (mm2/s)	139	222.2	231.5	467.2
Viscosity index	196	205	233	241
Flash point (open cup), ℃	269	275	277	279
Pour point, ℃	-43	-40	-39	-37
Copper corrosion (100℃, 3 hours) / grade	1b	1b	1b	1b
Density: 15℃, kg/l	1.076	1.074	1.069	1.072
FZG Load Test Failure Load Grade	> 12			
Maximum non-sticking load (Pb) / N, kg Not less than	1862(190)			
Sintering load (Pd) / N (kgf) Not less than	1960(200)			
Abrasive spot diameter (196N, 60min, 54℃, 1800r/min) / mm Not greater than	0.45			

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