

合成齿轮油

● 性能概述

迈斯拓合成齿轮油是采用精选聚乙二醇润滑油和添加剂配方调配而成的高级合成重载工业涡轮传动齿轮油。该产品可在严苛工况下提供出色的润滑性能，包括提高能效、较长使用寿命和抗微点腐蚀。



● 产品特点

01

使用寿命长，节省维护费用，具有卓越的氧化稳定性和热稳定性，可延长润滑油使用寿命，防止在较高温度下形成有害的氧化物。

02

优秀的抗磨损性能，具有卓越的负荷承载能力和抗微点腐蚀性能，即使在冲击载荷条件下，也能保证很长的元件使用寿命。

03

保护系统效率，能提高能效和降低工作温度。

04

出色的润滑性能，与矿物油相比，在线性能有助于延长齿轮和轴承部件使用寿命。

05

优异的黏温性能。

06

在高温下长期使用不结焦、无沉淀物。

● 应用场景

闭式工业涡轮系统、超长使用寿命的系统、循环润滑和飞溅润滑系统中的轴承和其它部件、适用于冶金、建材、石油、石化、化工、机械加工等行业各种中、低速，中负荷闭式工业齿轮、蜗轮蜗杆，滑动、滚动轴承的润滑。

合成齿轮油性能指标

项目	质量指标			
项目	150	220	320	460
外观	黄色至红棕色透明液体			
运动黏度 (40℃) / (mm ² /s)	139	222.2	231.5	467.2
黏度指数	196	205	233	241
闪点 (开口), °C	269	275	277	279
倾点, °C	-43	-40	-39	-37
铜腐蚀 (100℃, 3h) /级	1b	1b	1b	1b
密度 15℃ kg/l	1.076	1.074	1.069	1.072
FZG 负载试验 失效载荷等级	> 12			
最大无卡咬负荷 (Pb) /N, kg 不小于	1862(190)			
烧结负荷 (Pd) /N (kgf) 不小于	1960(200)			
磨斑直径 (196N, 60min, 54℃, 1800r/min) /mm 不大于	0.45			



Maxtop[®]

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.

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°C) / (mm ² /s)	139	222.2	231.5	467.2
Viscosity index	196	205	233	241
Flash point (open cup), °C	269	275	277	279
Pour point, °C	-43	-40	-39	-37
Copper corrosion (100°C, 3 hours) / grade	1b	1b	1b	1b
Density: 15°C, 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°C, 1800r/min) / mm Not greater than	0.45			

Maxtop®