Fully synthetic heavy-duty industrial gear oil

Performance Overview

Maxtop fully synthetic heavy-duty industrial gear oil is made from carefully selected PAO polyalphaolefins, alkyl naphthalene, and synthetic ester synthetic base oils, and is refined with a variety of extreme pressure, anti-wear and other additives, and has been confirmed through ultra-long reliability tests.

Features

01

Excellent viscosity-temperature performance, extremely low cold start protection.

02

Excellent low-temperature fluidity performance protects the gearbox from starting and operating normally at low temperatures.

03

Excellent heat resistance and stability to prevent oil from deteriorating at high temperatures.

04

Good extreme pressure and anti-wear performance, reducing gearbox wear.

05

It will not coke or deposit when used for a long time at high temperature.

06

When used in high-cold areas, no coking products will form on the surface of the auxiliary electric heating rod heater, and no sediment, colloid or asphalt will be produced in the oil, which has an extremely long

Application Scenario

1: Heavy industry transmission system
Steel/mining: mill gearbox, car drive axle (load >100 tons), to cope with high impact loads.
Cement/paper: mill gears, dryer bearings to prevent oil film oxidation failure.
2: extreme environment device
Polar operations: Port cranes to ensure low temperature mobility.
High temperature furnace: glass production line transmission device to provide long-term lubrication protection.
3: Precision machinery
Wind power generation: yaw reducer, spindle gear box (vibration load), reduce tooth surface micro-pitting.
Rail transit: Locomotive gear transmission system (high precision), compatible with sputtering lubrication and circulation systems.
4: Long cycle lubrication requirements
Closed gear box (oil change cycle 4-6 years), reduce downtime maintenance frequency

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Typical data of fully synthetic heavy-duty industrial gear oil

Project	Quality indicators						
Viscosity grade (GB/T 3141)	100	150	220	320	460	680	1000
Kinematic viscosity (40℃), mm2/s	99.7	153.6	225.3	318.8	447.1	696.5	1058.6
Viscosity Index	193	195	210	203	230	244	275
Flash point (open), ℃	265	258	266	255	255	253	252
Pour point, ℃	-40	-37	-34	-32	-33	-32	-29
Copper corrosion (100℃, 3h)/level No more than	3090	3090	3090	3924	3090	3090	3090
Loading capacity (four-ball machine method) sintering load P D ,N	1b						
Sediment control, direct heating by electric heating rod, 120℃*460h	No tar on the heating rod, no sediment in t he 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.

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