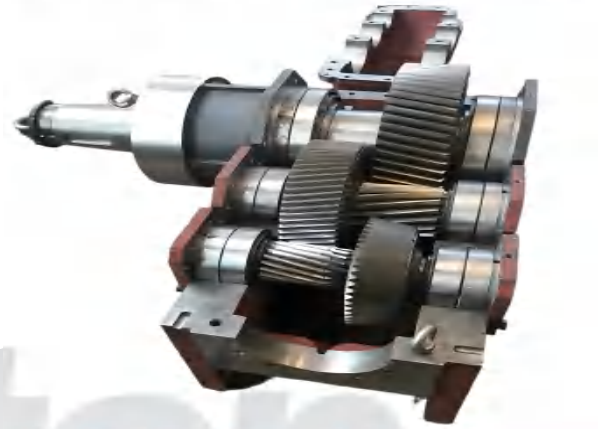
Medium load industrial gear oil (L-CKC)

Performance Overview

Maxtop Medium Duty Industrial gear oil (L-CKC) is made of highly refined paraffin base oil with high viscosity index and high quality additives such as extreme pressure, anti-wear, oil, antioxidant, anti-corrosion, anti-rust and defoamer. It has been carefully balanced formula and selected to undergo long weathering resistance aging test. It was also determined that no sludge and sediment were produced, the color change was lighter, the viscosity change was smaller, the acid value was increased less, and the extreme pressure performance was not significantly changed. According to customer demand can produce other grades of medium load industrial gear oil.



Features

01

L-CKC medium load industrial gear oil developed and produced by Maestor has good lubricity.

02

The use of electric heating rod to directly heat oil products in high cold areas will not produce coke, and there will be no sediment in the oil.

03

It is suitable for various types of industrial gear boxes and has no corrosion effect on gear materials.

04

Excellent anti-oxidation stability, reduce oil aging, prolong oil change cycle, reduce maintenance costs.

05

Reduce foam generation, improve lubrication effect and prevent foam from affecting equipment operation.

06

Stable at high temperatures to prevent sludge and oxide formation.

Application Scenario

1: Industrial gear box
Chemical, steel and energy industries: Provide reliable lubrication protection for industrial gearboxes to ensure the normal operation of equipment.
General industrial equipment: such as fans, pumps, etc., to provide lubrication support.
2: Reducer and gearbox
Small construction machinery: provide lubrication protection for reducer and gearbox to ensure the normal operation of equipment.
Vehicle-type reduction gear box: provides lubrication support to improve equipment life.
3: Specific industry applications
Paper machinery: suitable for high temperature, requiring high resistance to emulsification gear.
Ship transmission: suitable for gear transmission in ships with large temperature changes.
Mining machinery: Suitable for high temperature, extreme pressure performance requirements of mining machinery.

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Typical data of medium load industrial gear oil (L-CKC)

Project	Quality indicators				
Viscosity Grade	100	150	220	320	460
Kinematic viscosity (40℃) / (mm 2 /s)	90.0~110	135~165	198~242	288~352	414~506
Viscosity index not less than	90				
Pour point/℃ No higher than	-12	-9			
Flash point (open) /℃ No less than	180	200			
Copper sheet corrosion (100 ℃ , 3h)/level not more than	1				
Liquid phase corrosion test (24h)	Rust-free				
Carrying capacity Gear machine test /failure level not less than	12	>12			
Shear stability (gear machine method)Kinematic	Within the viscosity grade range				
viscosity at 40 ℃ after shearing (mm2/s) not less than	Within the viscosity grade range				
Demulsibility (82℃)Water in oil (volume fraction)/% No more than	2.0				2.0
Emulsion layer/mL not more than	1.0				4.0
Total separation water/mL not less than	80.0				50.0
Oxidation stability (96℃, 312h) 100℃ kinematic viscosity increase/% not more than	6				
Sedimentation value/ml not more than	0.1				
Deposition control (120℃ 460h) Direct heating with electric heating rod	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.

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