Heavy-duty vehicle gear oil (GL-5)

Performance Overview

Maxtop GL-5 gear oil is made of deeply refined base oil, adding functional additives, and prepared by the production process of international advanced technology level. Heavy duty vehicle gear oil is designed for high load, high impact vehicle gear box design of high performance high temperature protection: stable at high temperatures, prevent sludge and oxide formation. Prolong oil life: reduce oil aging, prolong oil change cycle. Oil, set extreme pressure anti-wear, heat stability, rust and corrosion prevention in one. Fast moisture separation: Prevent moisture from causing damage to oil and equipment. Maintain stable performance: Ensure the best performance of gear oil under various working conditions.

Features

01

This product has outstanding anti-wear properties and can quickly form a durable super-hard protective film on the gear surface, effectively reducing wear and providing comprehensive lubrication protection for vehicles traveling on various road conditions.

02

Highly active extreme pressure additives provide effective protection for the front and rear axles and wheel gears of heavy-loaded vehicles.

03

Prevents corrosion of ferrous and non-ferrous parts.

04

Prevent gear wear and scratches and extend equipment service life.

05

Avoid premature failure and equipment damage due to seal wear and oil leakage caused by deposits.

Application Scenario

1.Heavy-duty trucks: Provide lubrication protection for rear axle gears to ensure proper operation of equipment.
2.Construction machinery: such as excavators, loaders, etc., to provide lubrication support.
3.Mining vehicles: provide lubrication protection for the gearbox to ensure the normal operation of the equipment.
4.Off-road vehicle: lubricates the front and rear drive axle and power output system.

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Typical data of heavy-duty vehicle gear oil (GL-5)

Project		Quality indicators		
Viscosity Grade		80W-90	85W-90	85W-140
Kinematic viscosity (100℃)/(mm²/s)		13.5~<18.5	13.5~<18.5	24.0~<32.5
Viscosity Index		Report		
KRL shear stability (20h) Kinematic viscosity at 100℃ after shearing (mm²/s)		Within the viscosity grade range		
Pour point / ° C		Report		
Apparent viscosity (-40℃)/(mPa.s)	not more than	-	-	-
Apparent viscosity (-26℃)/(mPa.s)	not more than	150000	-	-
Apparent viscosity (-12℃)/(mPa.s)	not more than	-	150000	150000
Flash point (open)/℃	not less than	180		
Foaming property (foaming tendency)/ml				
24℃	not more than	20		
93.5℃	not more than	50		
24℃	not more than	20		
Copper sheet corrosion (121℃, 3h)/level	not more than	3		
Mechanical impurities (mass fraction)/%	not more than	0.05		
Moisture (mass fraction)/%	not more than	vestige		
Heptane insoluble matter (mass fraction)/%		Report		
Sulfated ash (mass fraction)/%		Report		
Sulfur (mass fraction)/%		Report		
Phosphorus (mass fraction)/%		Report		
Sediment control, direct heating by electric heating rod, 120℃*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.

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