

Anti-wear hydraulic oil (L-HM)

● Performance Overview

Maxtop anti-wear hydraulic oil is made of high quality compound additives and highly refined and hydrorefined base oil. It is a high-quality lubricating oil designed for high pressure and high load hydraulic systems with excellent wear, oxidation, corrosion and foam resistance, which can significantly extend the service life of hydraulic equipment and improve system efficiency. Form a high-strength protective film on the metal surface, effectively reduce the wear of hydraulic pumps, valves and cylinder blocks, and reduce the failure rate of equipment. Inhibit oil oxidation and prolong oil change cycle. Fast separation of water to prevent corrosion and corrosion of hydraulic system. Low temperature fluidity ensures smooth start-up of equipment in cold environment.

● Features

01

It has suitable viscosity

02

Good viscosity-temperature performance

03

It provides reliable startup protection and hydraulic pump protection in a wide temperature range and prolongs its service life.

04

Hydrolysis stability, oxidation resistance, rust resistance, shear stability, anti-foaming, air release

05

Long oil change cycle, reduce maintenance costs. Reduce energy loss and improve hydraulic system efficiency.

06

Effective protection for equipment operating under harsh conditions, reducing equipment maintenance costs, superior hydraulic efficiency helps reduce power consumption.



● Application Scenario

1. Industrial hydraulic system
Equipment: Rolling machine, metallurgical equipment, papermaking machinery.
Advantages: High pressure anti-wear protection, reduce downtime maintenance frequency.
2. Construction machinery
Equipment: excavator, loader, crane.
Effect: prolong the life of hydraulic pump by more than 3 times.
3. Injection molding machine and machine tool
Application: mold opening and closing drive, gear lubrication.
Value: Improve positioning accuracy, reduce product defect rate.
4. Special application scenarios
Fields: Marine hydraulic steering gear, mining drilling rig.
Performance: water resistant, rust resistant, suitable for humid and harsh environment.

Anti-wear hydraulic oil performance indicators (L-HM)

Project		Quality indicators			
Viscosity grade (GB/T 3141)		32	46	68	100
Kinematic viscosity (40 °C) / (mm ² /s)		28.8~35.2	41.4~50.6	61.2~74.8	90~100
Flash point (open)/°C	not less than	175	185	195	205
Viscosity Index	Not less than	95			
Pour point/°C	No higher than	-15	-9	-9	-9
Copper corrosion (100°C, 3h)/level	No more than	1			
Water content (mass fraction)/%	not more than	trace			
Mechanical impurities		none			
Liquid phase corrosion (24h)Method B		Rust-free			
Foaming properties (foaming tendency / foaming stability)/ (mL/mL)					
Program I (24°C)	No more than	150/0			
Procedure II (93.5 °C)	No more than	75/0			
Program III (24°C later)	No more than	150/0			
Demulsification (time for emulsion to reach 3ml) /min					
54 °C	No more than	30	30	30	-
Air release value (50 °C)/min	No more than	6	10	13	Report
The sealing adaptability index shall	No more than	12	10	8	Report

