

# High-pressure ashless anti-wear hydraulic oil

## ● Performance Overview

MTHM High pressure Ash-free Anti-wear Hydraulic oil (MTHM) is a high quality ash-free compound additive refined with high viscosity index hydrofining base oil. High pressure ashless anti-wear hydraulic oil is a kind of high performance hydraulic oil, suitable for high pressure, high temperature, high load hydraulic system. It can maintain a stable working state under heavy load and high temperature, effectively extending the service life of the hydraulic system. Extend the life of pumps with silver, copper and silver-plated parts. At the same time, the hydraulic oil also has excellent hydrolytic stability, and can provide good protection when the system is subjected to a small amount of water pollution.

## ● Application Scenario

### 01

Transfer static pressure energy: ensure that the system can transfer static pressure energy sensitively, accurately and smoothly, and improve the efficiency of the hydraulic system.

### 02

Waterproof protection: When the system is subjected to a small amount of water pollution, it can also provide good protection to ensure the stable operation of the hydraulic system.

### 03

Suitable for a variety of hydraulic pump medium and high pressure hydraulic system, can also be used for medium load industrial gear (worm gear, hyperbolic gear except) lubrication, the ambient temperature is -10~40°C. (Products can be customized according to customer needs)

### 04

Suitable for lubrication of equipment or hydraulic systems with active metal coating surfaces



## ● Features

Hydraulic system of construction machinery: suitable for hydraulic system of construction machinery, construction machinery, mining machinery, oilfield machinery, ships and vehicles, to ensure the stable operation of equipment in high temperature and high pressure environment.

Precision hydraulic systems containing silver and copper parts: Especially suitable for precision hydraulic systems containing silver and copper parts, providing excellent anti-wear protection and anti-rust performance.

Hydraulic and transmission systems for industrial applications: widely used in industrial, shipping and mobile hydraulic and transmission systems, but also suitable for ordinary load gear drives, bearings and other industrial machinery lubrication.

# High-pressure ashless anti-wear hydraulic oil performance indicators

Project	Quality indicators				
	22	32	46	68	100
Model	22	32	46	68	100
Density( 20°C ) / (kg/ m3 )	Report				
Chroma /No.	Report				
Appearance	transparent				
Flash point (open)/°C	Not less than 175	175	185	195	205
Kinematic viscosity ( 40 °C ) / ( mm <sup>2</sup> /s )	19.8~24.2	28.8~35.2	41.4~50.6	61.2~74.8	90.0~110
Viscosity index b	Not less than 90	95			
Pour point /°C	No higher than -24	-15	-9	-9	-9
Acid value (in KOH ) / (mg/g)	Report				
Water content (mass fraction) /%	No more than	trace			
Mechanical impurities	none				
Copper corrosion (100°C, 3h)/level	No more than	1			
Sulfated ash (mass fraction) /%	Report				

