

Drilling oil

● Performance Overview

Maxtop Drilling oil (MTDO) is formulated by hydrogenating and solvent refining base oil, and then blending it with special additives such as extreme pressure anti-wear, antioxidant and anti-rust agents. It is a special oil product specially designed for metal processing, featuring excellent cooling, lubricating, anti-rust, anti-corrosion and cleaning properties. Reduce drilling temperature: Effectively control the temperature during the processing to prevent the workpiece from overheating and deforming. Enhance stability: Ensure stable performance in high-temperature environments. Protect the surface : against erosion of the machine tool and workpiece by moisture and corrosive gases.

● Features

01

Good lubricity: reduces friction and wear during cutting and improves processing efficiency.

02

Excellent cooling performance: quickly absorbs and removes the heat generated by cutting to prevent overheating of the workpiece and tool.

03

Anti-rust performance: Form a protective film on the surface of workpieces and machine tools to prevent oxidation and corrosion.

04

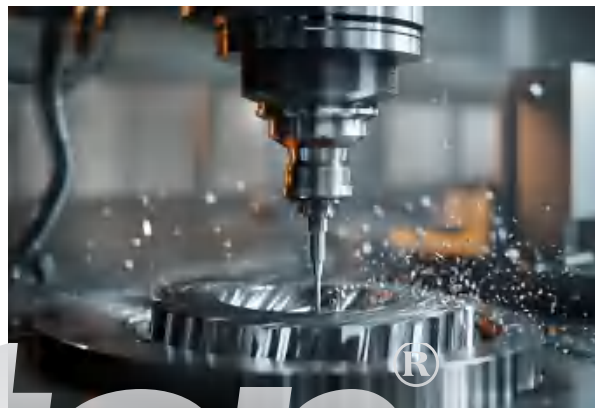
Cleaning property: helps remove chips and impurities generated during the cutting process and keeps the processing area clean.

05

(Anti-foaming: It is not easy to form foam under agitation and high pressure, ensuring the stability of the cutting oil.

06

Oxidation stability: It is not easy to oxidize and deteriorate under high temperature and long-term use, which extends the service life of the oil.



● Application Scenario

It is suitable for deep hole processing such as gun drilling, BTA drilling or ejector drilling of medium carbon, high alloy, stainless steel, cast iron and other metal materials, as well as gear, thread, broaching, reaming, high extreme pressure forming and cutting processing.



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Project		Quality indicators
Kinematic viscosity (40 °C), mm ² /s	not more than	10~23
Pour point, °C	not higher than	-15
Flash point (open), °C	not less than	130
Acid value, mg(KOH)/g	not more than	3.0
Corrosion test (copper sheet, 100 °C , 3h), level	not more than	1
Load-bearing capacity (four-ball method)		
Maximum no-seizure load (P _B), N	not less than	931
Sintering load (P _B), N	not less than	2842

Maxtop®