

# Mabanol Helium Hyd HLP 46 Blue ZF

Resource-saving hydraulic fluid – zinc and ash-free

## Application

Mabanol Helium Hyd HLP 46 Blue ZF can be used universally in all hydraulic systems and is characterized by very good lubricating properties and high oxidation resistance. The good viscosity-temperature behavior of Mabanol Helium Hyd HLP 46 Blue ZF makes it particularly suitable for use in stationary and mobile hydraulics. It has also proven itself as a resource-saving hydraulic fluid in pump systems and presses.

## Properties

Mabanol Helium Hyd HLP 46 Blue ZF is formulated in a resource-saving manner based on base oils produced with virtually no waste and state-of-the-art additive technology, zinc and ash-free. Through this patented base oil production technology, Mabanol Helium Hyd HLP 46 Blue ZF contributes to long-term protection of the environment, health, natural resources and the climate. The base oil used in appropriate proportions has been proven to save up to 1530 kg/t CO<sub>2</sub> eq compared to conventionally produced base oils.

Mabanol Helium Hyd HLP 46 Blue ZF can be cleaned in the process using the finest filtration without any active components being lost.

## Standards / test methods

- DIN HLP DIN 51524 Part 2
- HM according to ISO 11158
- VDEh according to SEB 181 222
- AIST 127 + 136
- SIS SS 155434

## Data

## Viscosity class ISO-VG

	Test method	Unit	46
Density at 15°C	DIN EN ISO 12185	g/cm <sup>3</sup>	0,865
Kin. Viscosity at 40°C	ASTM D7279	mm <sup>2</sup> /s	43,9
Kin. Viscosity at 100°C	ASTM D7279	mm <sup>2</sup> /s	7,0
Viscosity index (VI)	ASTM D2270		112
Flash point COC	DIN ISO 2592	°C	230
Pourpoint	ASTM D7346	°C	-24
FZG-Test A/8,3/90	DIN ISO 14635-1	SKS	>12

Updated in April 2024

The above values may vary within the commercial limits.

Customs Tariff No.: 2710 1983