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 CO2 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/cm³	0,865
Kin. Viscosity at 40°C	ASTM D7279	mm²/s	43,9
Kin. Viscosity at 100°C	ASTM D7279	mm²/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

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The above values may vary within the commercial limits.

Customs Tariff No.: 2710 1983

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