

Mabanol Helium Hyd HLP

HLP Hydraulic Fluids

Application

Mabanol Helium Hyd HLP hydraulic fluids can be used in all hydraulic systems. They have proven performance in working use in numerous facilities and hydraulic systems. They are recommended for thermally intensive high pressure pumps of all kinds, for sensitive control systems, for the supply of small transmission units and for application in circulating systems.

Properties

Mabanol Helium Hyd HLP hydraulic fluids are mineral oil based hydraulic fluids with high performance additives which are selected for optimum performance with the high quality base oils used in the manufacture of this particular grade.

Mabanol Helium Hyd HLP offers both optimum wear and corrosion protection even under maximum mechanical loading. The oxidation inhibitors provide the greatest possible ageing stability and enable longer oil retention periods thus lowering maintenance costs.

The good filterability of Mabanol Helium Hyd HLP oils is a prerequisite for their use in current hydraulic systems ensuring filter blockages are prevented.

Standards

- DIN HLP 51 524 Part 2
- HM in accordance with ISO 11158
- HM in accordance with ASTM D 6158

Approvals

- Arburg (only ISO-VG 46)

Recommended for

- Cincinnati P-68 / P-69 / P-70
- Parker Denison HF-0 / HF-1 / HF-2
- Eaton E-FDGN-TB002-E / M-2950-S
- ANSI / AGMA 9005-E02-RO
- JCMAS P041 HK Hydraulic Specification
- SEB 181 222
- US Steel 126 / 127
- ZF TE-ML 04K (only ISO VG 32 / ISO VG 46)

Data

HLP Classification

	Test method	Unit	10	22	32	46	68	100	150
Density at 15°C	DIN 51 757	g/cm ³	0,857	0,869	0,874	0,878	0,881	0,885	0,889
Kin. Viscosity at 40°C	DIN EN ISO 3104	mm ² /s	9,93	22,1	32,1	46,3	69,6	103	153
Kin. Viscosity at 100°C	DIN EN ISO 3104	mm ² /s	2,60	4,25	5,34	6,68	8,71	11,2	14,4
Flash point COC	DIN ISO 2592	°C	172	200	224	227	245	257	266
Pourpoint	DIN ISO 3016	°C	-30	-27	-27	-27	-27	-27	-21
FZG test A/8, 3/90	DIN ISO 14635	SKS	–	–	10	12	12	12	12

Updated in January 2023

The above values may vary within the commercial limits.

Customs Tariff No.: 2710 1983