

Mabanol Spindle Oil 68 FF

Finely filtered HLP-D hydraulic oil according to ISO 4406 purity class 15/13/10

Application

Mabanol spindle oil 68 FF is particularly suitable for lubricating bearings in motor and high-frequency spindles due to its high purity. In addition, Mabanol spindle oil 68 FF is also suitable for the lubrication of precision mechanical roller and plain bearings, as a circulating oil and for hydrostatic drives.

Properties

Mabanol spindle oil 68 FF is a detergent and dispersing hydraulic oil based on mineral oil. It ensures an efficient reduction in friction and wear, as well as an extended service life, increased performance and high bearing protection. Other quality features are the outstanding thermal and oxidative stability, as well as excellent corrosion protection. Furthermore, the spindle oil is characterized by its improved heat transfer and excellent cooling effect.

Mabanol spindle oil 68 FF exceeds the requirements for HLP hydraulic oils according to DIN 51 524, part 2 in many important properties.

Standards

- HLP according to DIN 51524 Part 2
- HM according to ISO 11158

Recommended for

- BoschRexroth Fluid Rating List 90245
- DENSSION HF-0, HF-1, HF-2
- EATON E-FDGN-TB002-E
- HOCNF Norway-NEMS, Black
- Fives Cincinnati P-69

Data

	Test method	Unit	Value
Density at 15°C	ASTM D 4052	g/cm ³	0,8743
Kin. Viscosity at 40°C	ASTM D 445	mm ² /s	68,6
Kin. Viscosity at 100°C	ASTM D 445	mm ² /s	8,9
Viscosityindex (VI)	ASTM D 2270		104
Flash point	ASTM D 92	°C	252
Pourpoint	ASTM D 97	°C	-30
FZG-Test A/8, 3/90	DIN ISO 14 635-1	SKS	11
Copper corrosion 3h/100°C	ASTM D 130	N/mm ²	1A

Updated in March 2023

The above values may vary within the commercial limits.

Customs Tariff No.: 2710 1983