



# masteroil HLP 46

## Description

masteroil HLP 46 is a hydraulic oil that contains additives to prevent corrosion, wear and friction. It contains active ingredients that ensure clean hydraulics. masteroil HLP 46 is a heavy-duty multi-purpose lubricating oil that improves the behaviour in the mixed friction area and thus prevents friction or frictional vibrations due to adhesive slip. The good corrosion protection, cleaning and sludge carrying capacity deserve special mention. masteroil HLP 46 exceeds the requirements placed on HLP hydraulic oils according to DIN 51524 Part 2 for hydraulics.

Typical characteristic values Property	Method	Unit	Value
Density at 15°C	ASTM D4052	g/ml	0.880
Kinematic viscosity at 40°C	ASTM D455	mm <sup>2</sup> /s	46.6
Kinematic viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	7
Viscosity index	ASTM D2270	-	107
Flash point (COC)	ASTM D92	°C	220
Pour point	ASTM D6892	°C	-27

We reserve the right to change our products' general properties so that our customers can always benefit from the latest technical developments.

## Specifications

- AFNOR NF E 48-603 HM / NF E 48-690 / NF E 48-691
- ASTM D6158 HM,HL
- BOSCH REXROTH RDE 90235
- Chinese Standard GB 11118.1L -HL,L-HM
- Cincinnati MACHINE P-70 (ISO 46)
- DANIELI 0.000.001 Rev. 15 TYPE 10/11
- Denison HF-0, HF-1, HF-2
- DIN 51524 Part 2
- EATON Brochure 03-401-2010 / E-FDGN-TB002-E
- EATON Vickers I-286-S / M-2950-S
- GM LS2 AW hyd. oil
- ISO 6743-4, HM; 11158, HM
- JCMAS HK P041
- SAE MS1004
- US STEEL 126
- ZF TE-ML07H

## Advantages

Wear and oxidation stability: Excellent protection. Anti-foaming: Excellent anti-foaming

Temperature stability: Adequate viscosity stability.

## This product is available in the following container sizes:

- 5 litres
- 60 litres
- Loose items