

# MOL Hydro HME 46 HP

## premium hydraulic oil



MOL Hydro HME 46 HP is a premium quality, high purity hydraulic fluid, containing a zinc based additive for reducing wear. It is composed of mineral base oils of carefully selected quality and exhibits excellent performance in a wide range of industrial and mobile hydraulic equipment operating under heavy loads. It ensures outstanding wear resistance. In the standard vane pump test (Vickers V104C), the wear is 85 % lower than Specified limit. This product has an outstanding thermal and hydrolytic stability. Its TOST lifetime is twice that specified in the DIN 51524-Part 2 standard. It meets the requirements of the Denison HF-O specification, the highest level of performance for mineral oil based hydraulic fluids.

### Application



Hydraulic systems operating at high pressures and under heavy operating conditions

Industrial equipment operating at low temperatures (pumps, servo systems)

Circulation systems

Hydraulic systems of machine-tools

Hydraulic systems of machines used in the plastics industry

Turbo-, screw and vane compressors

### Features and benefits

Outstanding ISO cleanliness (max. 17/15/12)

No extra filtration cost before filling  
Operational problems due to non-appropriate oil cleanliness can be prevented  
Contributes to reduced operational costs

Excellent wear protection

Reliable operation, even in equipment exposed to heavy loads at high pressures  
Improved operational safety and high level of availability

Excellent thermal and hydrolytic stability

Extremely low sludge formation  
Increased oil drain interval  
Reliable operation, so reduced operational costs

Excellent filterability

No deterioration of filterability, even in the presence of moisture  
Calculably low filter usage even with 2-3 micron pore size filter cartridges

Rapid air release

Reduced risk of cavitation  
Outgoing air does not cause increased foaming

Excellent corrosion protection

Effective protection of steel and non-ferrous metal parts even in the presence of water

Excellent water separation

Water is rapidly separated from the oil and can be drained from the system  
The formation of harmful deposits and filter plugging can be avoided  
Abnormal corrosion and wear of equipment can be prevented  
Increased operational safety of equipment

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### Specifications and approvals

Viscosity grade: ISO VG 46  
ISO 11158 HM  
ISO-L-HM  
DIN 51524-2 (HLP)  
DIN 51506 VDL  
Eaton (Vickers) I-286-S  
Eaton (Vickers) M-2950-S  
Cincinnati Lamb P-70  
General Motors LS2 LH-04-1-00  
ENGEL  
SAE MS1004 Type HM  
AIST (US Steel) 127  
AIST (US Steel) 126  
AFNOR NF-E-48603 (HM)  
Parker Denison HF-0  
Parker Denison HF-1/HF-2

### Properties

Properties	Typical values
Density at 15°C [g/cm <sup>3</sup> ]	0,875
Kinematic viscosity at 40°C [mm <sup>2</sup> /s]	46,2
Kinematic viscosity at 100 °C [mm <sup>2</sup> /s]	6,75
Pour point [°C]	-27
Flash point (Cleveland) [°C]	225
Cleanliness, ISO code	max. 17/15/12

The characteristics in table are typical values of the product and do not constitute a specification.

### Storage and handling instructions

Store in the original container in dry, properly ventilated area. Keep away from direct flame and other sources of ignition. Protect from direct sunlight.

During transport, storage and use of the product follow the work safety instructions and environmental regulations relating to mineral oil products.

For further details please read the Material Safety Data Sheet of the product.

In the original container under the recommended storage conditions: 48 months

Recommended storage temperature: max. 40°C

### Ordering information

Custom Tariff Number 27101983

#### SAP code and packaging:

13008821 MOL Hydro HME 46 HP 180KG

216.5 l steel drum (for order only)

#### Order booking:

Please contact your local distributor or sales partner for ordering details.