

# MOL Hydro HME 68

## premium hydraulic oil



MOL Hydro HME 68 is a premium quality hydraulic fluid, containing a zinc based additive for reducing wear. It is composed of mineral base oils of carefully selected quality, exhibits excellent performance in a wide range of industrial and mobile hydraulic equipment exposed to heavy loads. It ensures outstanding wear resistance. In the standard vane pump test (Vickers V104C), the wear is 85 % lower than specified limit. Due to its high performance additive system it has an excellent wear reducing performance, close to that of gear oils (FZG 12, DIN 51354- Part 2). It has an outstanding thermal and hydrolytic stability. Its TOST lifetime is twice that required 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

Hydraulic systems of earthmoving and forestry machines

### Features and benefits

Excellent wear protection

Reliable operation, even in equipment exposed to heavy loads at high pressures

Anti-wear performance close to that of gear oils (FZG 12)

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

Reduced maintenance costs and environmental impact

Rapid air release

Reduced risk of cavitation

Outgoing air does not cause increased foaming

Reliable operation, giving longer equipment lifetime

Excellent corrosion protection

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

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### Features and benefits (continue)

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

### Specifications and approvals



Viscosity grade: ISO VG 68  
*Danieli 0.597667.D*  
*Bosch Rexroth Fluid Rating List RDE 90245*  
*Cincinnati Lamb P-69 (Fives Cincinnati)*  
*Parker Denison HF-0*  
*Parker Denison HF-1/HF-2*  
ISO 11158 HM  
ISO-L-HM  
DIN 51524-2 (HLP)  
DIN 51506 VDL  
Eaton (Vickers) I-286-S  
Eaton (Vickers) M-2950-S  
General Motors LS2 LH-06-1-00  
AIST (US Steel) 127  
AIST (US Steel) 126  
AFNOR NF-E-48603 (HM)

### Properties

Properties	Typical values
Density at 15°C [g/cm <sup>3</sup> ]	0,882
Kinematic viscosity at 40°C [mm <sup>2</sup> /s]	68,5
Kinematic viscosity at 100 °C [mm <sup>2</sup> /s]	8,6
Viscosity index	96
Pour point [°C]	-27
Flash point (Cleveland) [°C]	235

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

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### Ordering information

Custom Tariff Number 27101983

#### SAP code and packaging:

13100473	MOL Hydro HME 68 X4L	4 l plastic can
13100474	MOL Hydro HME 68 50KG	60 l steel drum
13100475	MOL Hydro HME 68 180KG	216.5 l steel drum
13100472	MOL Hydro HME 68 860KG	IBC (for order only)
13100471	MOL Hydro HME 68	Road tank car (for order only)

#### Order booking:

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