

MOL Hydro HME 100

premium hydraulic oil



MOL Hydro HME 100 is a premium quality hydraulic fluid, containing a zinc based additive for reducing wear, composed of mineral base oils of carefully selected quality, exhibiting excellent performance in a wide range of industrial and mobile hydraulic equipment operating under heavy loads. Due to its high performance additive system, it has an excellent wear reducing performance, close to that of gear oils, having a load carrying capacity FZG 12 that is 20 % higher compared to the requirements of DIN 51524-Part 2.

Application



Hydraulic systems operating at high pressures and under heavy operating conditions

Hydraulic systems of machine-tools

Hydraulic systems of earthmoving and forestry machines

Hydrostatic drives

Circulation systems

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

Long oil lifetime

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

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 100
ISO 11158 HM
ISO-L-HM
DIN 51524-2 (HLP)
DIN 51506 VDL
SAE MS1004 Type HM
SEB 181222 (HLP)
AFNOR NF-E-48603 (HM)

Properties

Properties	Typical values
Density at 15°C [g/cm ³]	0,884
Kinematic viscosity at 40°C [mm ² /s]	101,5
Kinematic viscosity at 100 °C [mm ² /s]	11
Viscosity index	93
Pour point [°C]	-18
Flash point (Cleveland) [°C]	245

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:

13011031 MOL Hydro HME 100 10LA

13006315 MOL Hydro HME 100 180KG

13009771 MOL Hydro HME 100

10 l plastic can (for order only)

216.5 l steel drum (for order only)

Road tank car (for order only)

Order booking:

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