

# MOL Hydro HV 100

## multigrade hydraulic oil



MOL Hydro HV 100 is a premium quality hydraulic fluid, produced from carefully selected mineral base oils, containing additives that have detergent effect, including a zinc additive for reducing wear, which can be used over a wide temperature range. It provides consistently high performance even in an environment with widely fluctuating temperatures in industrial and mobile hydraulic systems working under heavy load conditions. It ensures outstanding wear resistance. In the standard vane pump test (Vickers V104C), the wear is 85 % lower than the specified limit.

### Application



Equipment operating in a wide range of temperatures

Hydraulic systems operating at high pressures and under heavy operating conditions

Hydraulic presses operated indoors or outdoors

Hydraulic systems of machine-tools

Hydraulic systems of earthmoving and forestry machines

Circulation systems

### Features and benefits

High viscosity index

Optimum lubrication and reliable operation in a wide range of environmental and operational temperatures

Low hydraulic loss

Safe application throughout the year

Outstanding 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)

Long equipment lifetime

Outstanding thermal and hydrolytic stability

Provides stick-free operation of servo and control valves

Long oil drain intervals

Outstanding 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 together with low foaming

Stable balanced lubricating film between friction surfaces, giving long equipment lifetimes

Reduced risk of cavitation

Good water separation

Abnormal corrosion and wear of equipment can be prevented

Longer oil change interval and equipment lifetime

Improved cold flow properties

Reliable operation even at low temperatures

Good mechanical stability

Balanced equipment protection

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### Specifications and approvals

Viscosity grade: ISO VG 100  
ISO 11158 HV  
ISO-L-HV  
DIN 51524-3 (HVLP)

### Properties

Properties	Typical values
Density at 15°C [g/cm <sup>3</sup> ]	0,884
Kinematic viscosity at 40°C [mm <sup>2</sup> /s]	103
Kinematic viscosity at 100 °C [mm <sup>2</sup> /s]	15,2
Viscosity index	153
Pour point [°C]	-33
Flash point (Cleveland) [°C]	230

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:

13301890 MOL Hydro HV 100 180KG

216.5 l steel drum (for order only)

#### Order booking:

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