

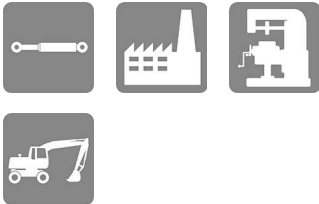
# MOL Hydro HV 46

## multigrade hydraulic oil



MOL Hydro HV 46 is a premium quality hydraulic fluid, that can be used over a wide temperature range. It , contains a zinc based additive for reducing wear, is composed of mineral base oils of carefully selected quality, and provides consistently high performance even in an environment with widely fluctuating temperatures in industrial and mobile hydraulic systems working under heavy loads. It ensures outstanding wear resistance. In the standard vane pump test (Vickers V104C), the wear is less 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
- Industrial equipment operating at low temperatures (pumps, servo systems)
- 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<br>Low hydraulic loss<br>Safe application throughout the year |
| Excellent shear stability                    | Forms a tenacious lubricating film even under exposure to heavy stress                                                                                                 |
| Outstanding wear protection                  | Anti-wear performance close to that of gear oils<br>Reliable operation, even in equipment exposed to heavy loads at high pressures<br>Long equipment lifetime          |
| Outstanding thermal and hydrolytic stability | Provides stick-free operation of servo and control valves<br>Long oil drain intervals                                                                                  |
| Outstanding filterability                    | No deterioration of filterability, even in the presence of moisture<br>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<br>Reduced risk of cavitation                                              |

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### Features and benefits (continue)

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

### Specifications and approvals

Viscosity grade: ISO VG 46  
ISO 11158 HV  
ISO-L-HV  
DIN 51524-3 (HVLP)  
Parker Hannifin (Denison) HF-0/HF-1/HF-2  
SAE MS1004 Type HV  
AFNOR NF-E-48603 (HV)

### Properties

Properties	Typical values
Density at 15°C [g/cm <sup>3</sup> ]	0,865
Kinematic viscosity at 40°C [mm <sup>2</sup> /s]	45,1
Kinematic viscosity at 100 °C [mm <sup>2</sup> /s]	8,1
Viscosity index	154
Pour point [°C]	-42
Flash point (Cleveland) [°C]	220

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:

13006343	MOL Hydro HV 46 X10L	10 l plastic can
13006345	MOL Hydro HV 46 50KG	60 l steel drum
13009349	MOL Hydro HV 46 170KG	216.5 l steel drum
13006347	MOL Hydro HV 46 860KG	IBC (for order only)
13006342	MOL Hydro HV 46	Road tank car (for order only)

#### Order booking:

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