

MOL Hydro HM 46

hydraulic oil



MOL Hydro HM 46 is a general purpose hydraulic work fluid, produced from highly refined base oils, containing a zinc based additives for reducing wear. It meets or exceeds the requirements of DIN 51524-Part 2 (HLP) of ISO 11158 (HM). It provides a reliable performance for a wide range of industrial and mobile hydraulic equipment.

Application



Hydraulic systems operating at high pressures and under heavy operating conditions

Hydraulic systems of machine-tools

Circulation systems

Hydraulic systems of machines used in the plastics industry

Turbo-, screw and vane compressors

Hydraulic systems of earthmoving and forestry machines

Features and benefits

Good wear protection

Reliable equipment protection and long machine lifetime
Contributes to increasing equipment lifetime

Good thermal and hydrolytic stability

Provides stick-free operation of servo and control valves
Low deposit formation
Long oil drain intervals
Reliable operation, so reduced operational costs

Excellent filterability

No deterioration of filterability, even in the presence of moisture
Reduced maintenance costs and environmental impact

Good water separation

Water accumulating at the bottom of the tank can be removed easily
Abnormal corrosion and wear of equipment can be prevented
Longer oil change interval and equipment lifetime

Good corrosion protection

Long-term protection of steel and non-ferrous metal parts even in the presence of moisture

Rapid air release

Reduced risk of cavitation
Outgoing air does not cause a non-typical increase in foaming
Reliable operation, giving longer equipment lifetime

Specifications and approvals

Viscosity grade: ISO VG 46
ISO 11158 HM
ISO-L-HM
DIN 51524-2 (HLP)
AFNOR NF-E-48603 (HM)

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Properties

Properties	Typical values
Density at 15°C [g/cm ³]	0,875
Kinematic viscosity at 40°C [mm ² /s]	44,5
Kinematic viscosity at 100 °C [mm ² /s]	6,5
Viscosity index	94
Pour point [°C]	-27
Flash point (Cleveland) [°C]	225

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