

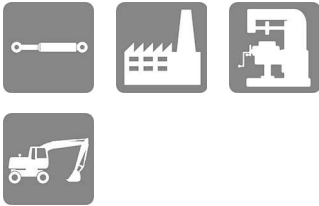
MOL Hydro HV 46

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

Low hydraulic loss

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

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

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

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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 6743-4
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 ³]	0,865
Kinematic viscosity at 40°C [mm ² /s]	45,1
Kinematic viscosity at 100 °C [mm ² /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