

MOL Hydro HV 22

multigrade hydraulic oil



MOL Hydro HV 22 is a premium quality hydraulic fluid, that can be used over a wide range of temperatures, containing a zinc based additive for reducing wear. It is composed of mineral base oils of carefully selected quality. 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



Mobile and industrial equipment operating at extremely low temperatures

Vehicles, agricultural, construction and mining equipment operating in extremely cold environments

Hydraulic systems subjected to low temperature start-up

Equipment operating in a wide range of temperatures

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
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 22
ISO 11158 HV
ISO-L-HV
DIN 51524-3 (HVLP)
SAE MS1004 Type HV
AFNOR NF-E-48603 (HV)

Properties

Properties	Typical values
Density at 15°C [g/cm ³]	0,870
Kinematic viscosity at 40°C [mm ² /s]	21,6
Kinematic viscosity at 100 °C [mm ² /s]	4,85
Viscosity index	155
Pour point [°C]	-48
Flash point (Cleveland) [°C]	185

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:

13100480 MOL Hydro HV 22 170KG

216.5 l steel drum (for order only)

13301313 MOL Hydro HV 22 860KG R1W

IBC (for order only)

Order booking:

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