

MOL Hydro Arctic 32

hydraulic oil



MOL Hydro Arctic 32 is a premium quality hydraulic oil, which can be used at extremely low temperatures, produced from carefully selected quality mineral base oils, containing a zinc-free antiwear additive. It provides consistently high performance even in an environment with widely fluctuating temperatures in industrial and mobile hydraulic systems working under heavy load conditions. This product has an outstanding thermal and hydrolytic stability. Its TOST lifetime is 2.5 times higher than that required in the DIN 51524-Part 2 standard. The temperature of the oil during operation should not exceed 70 °C for a prolonged time.

Application



Mobile and industrial equipment operating at extremely low temperatures

Hydraulic systems operating at high pressures and under heavy operating conditions

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

Hydraulic servo equipment

Circulation systems

Features and benefits

Extreme cold flow properties

Easy start-up; low starting and operational torque
Shorter start-up time, giving reduced costs

Outstanding wear protection

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

Extremely high viscosity index

Optimum lubrication and reliable operation in extreme environments and temperatures
Low hydraulic loss
Reduced energy consumption in batch operation

Outstanding thermal and hydrolytic stability

Extra long oil drain interval
Provides stick-free operation of servo and control valves

Ashless formulation

Low deposit formation

Outstanding filterability

No deterioration of filterability, even in the presence of moisture

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

Specifications and approvals

Viscosity grade: ISO VG 32
ISO-L-HV
DIN 51524-3 (HVLP)

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Properties

Properties	Typical values
Density at 15°C [g/cm ³]	0,867
Kinematic viscosity at -30 °C [mm ² /s]	1100
Kinematic viscosity at 40°C [mm ² /s]	31,0
Kinematic viscosity at 100 °C [mm ² /s]	9,2
Viscosity index	>300
Pour point [°C]	-60
Flash point (Cleveland) [°C]	135

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:

13009419	MOL Hydro Arctic 32 170KG	216.5 l steel drum (for order only)
13009223	MOL Hydro Arctic 32 860KG	IBC (for order only)
13009478	MOL Hydro Arctic 32	Road tank car (for order only)

Order booking:

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