

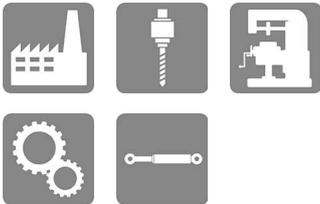
MOL Polimet HM 46

environmentally compatible cutting oil



MOL Polimet HM 46 is a multipurpose cutting oil that can be used for machining nonferrous metals, light metals and easily machinable steel. It can also be used in the mechanical and hydraulic units of machine tools. It is a highly refined mineral oil containing additives that reduce wear, modify friction, inhibit oxidation, corrosion and foaming. It does not contain chlorine, PCB, PCT, heavy metal or barium compounds.

Application



Various cutting technologies (turning, drilling, thread machining, etc.)

Processes on single- and multi-spindle automatic lathes or units

Hydraulic and mechanical drives of machine-tools

Automatic and easy-to-machine steel materials

Non-ferrous and light metals

Features and benefits

Multipurpose application

Supply of the machining technology, lubrication of hydraulics and mechanical drives can be provided by a single oil; improper use can be avoided and stock-holding costs can be reduced

Excellent lubricity

Effective friction and wear reduction, giving a long life of tool edges
Lower specific tool cost

Inactive anti-wear additive content

General-purpose product for machining various metals (steel, non-ferrous and light metals)

Excellent temporary corrosion protection

Effective temporary corrosion protection of workpieces, giving reduced surface treatment costs

Low foaming tendency

Forms a continuous lubricating film, giving a balanced cooling effect and lubricity
Excellent surface quality and high manufacturing precision

Low mist formation tendency

Oil consumption and environmental impact are reduced

Mild odour

More comfortable working environments

Specifications and approvals

ISO-L-HM
ISO 6743-7: L-MHB
DIN 51524-2 (HLP)

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Properties

Properties	Typical values
Appearance	light yellowish brown, clear
Density at 15°C [g/cm ³]	0,875
Kinematic viscosity at 40°C [mm ² /s]	44,5
Pour point [°C]	-30
Flash point (Cleveland) [°C]	225
Rust preventing properties, method "A"	pass
Copper corrosion (100°C, 3 h) [grade]	2
Four-ball test	
- scar diameter (1h, 40 kg) [mm]	0,5

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 27101991

SAP code and packaging:

13006492 MOL Polimet HM 46 180KG

216.5 l steel drum

Order booking:

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