

Product benefits

- superior stick-slip performance
- excellent friction characteristics
- good adhesiveness, reduced oil consumption
- good oxidation and thermal stability
- outstanding antiwear and EP performance
- long-term rust and corrosion protection
- compatibility with way materials
- compatibility with metalworking fluids

Applications

MOL Multi SW 100 slideway oil can be applied to lubricate horizontal or vertical slideways, tables and feed mechanisms of precision machine tools (drilling, milling, scouring-machines, etc.) from normal to high loads, at low slipping speed and minimal oil feed. Suitable for a wide range of slideway surfaces including cast iron and synthetic materials.

MOL Multi SW 100 can be applied to lubricate other parts of machine tools (bearings, gears) in circulating systems.

Specifications and approvals

Viscosity grade: ISO VG 100
ISO-L-CKE
ISO-L-G
DIN 51502 CGLP
DIN 51517-3 (CLP)
Cincinnati Lamb P-76
General Motors LS2 LW-22-1-00
AGMA 250.04

Product description

MOL Multi SW 100 slideway oil is blended from highly refined base oils with an application specific, balanced additive system containing antioxidant, antiwear, extreme pressure, corrosion and foam preventing agents as well as friction modifier and film strength improver additives.

MOL Multi SW 100 is a bi-functional product suitable for slideways and gear units of precision machine tools.

The excellent lubricity helps reduce friction and drag that can cause stick-slip and carriage chatter and therefore provides smooth movement without stick-slip even at high load and low carriage speed.

The tackiness additives strengthen the lubricating film and prevent the oil from being squeezed out at heavy loads or running off of vertical and horizontal ways or washed off by other fluids.

MOL Multi SW 100 exhibits excellent antiwear and extreme pressure properties and protects against seizure and excessive wear even under heavy load conditions.

MOL Multi SW 100 offers good oxidation resistance and thermal stability and prevents corrosion on machine parts.

MOL Multi SW slideway oils are tested for compatibility with metalworking fluids manufactured by MOL-LUB.

Typical properties

Properties	Typical values
Density at 15°C [g/cm ³]	0,887
Kinematic viscosity at 40°C [mm ² /s]	103
Kinematic viscosity at 100 °C [mm ² /s]	11,75
Viscosity index	102
Pour point [°C]	-21
Flash point (Cleveland) [°C]	250

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

Inflammability hazard: Grade IV.

Recommended storage temperature: max. 40°C

Ordering information

SAP code and packaging:

13006455 10 l plastic can

13006457 60 l steel drum

13006456 216.5 l steel drum

13007396 1000 l IBC

Order booking (toll-free):

Phone: 80/201-331 (between 07-16 h weekdays)