

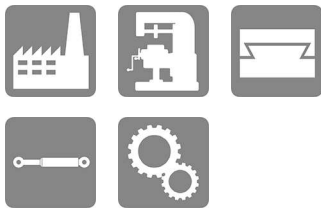
# MOL Multi SW 68

## slideway-hydraulic oil



A MOL Multi SW 68 is a multiple purpose lubricating oil developed for slideways, mechanical drives and hydraulic units of precision machine tools. It is a highly refined mineral oil containing additives that inhibit oxidation, reduce wear, provide extreme-pressure performance (EP), prevent corrosion and foaming, in addition to modifying friction and increasing the strength of the lubricating film. It forms a tenacious lubricating film, which withstands the washing effect of the metalworking fluid and prevents stick-slip (the friction that can cause vibration of the slide), thus allowing a uniform movement and precise machining accuracy even in case of high loads and low speeds. It has excellent wear resistance and pressure resistance properties, protects against scuffing and excessive wear even in case of high loads. It protects the parts of the machine tool effectively against corrosion.

### Application



Horizontal slideways of machine-tools

Slideways of low speed heavy-duty machine-tools providing stick-slip free high precision positioning

Machine-tool hydraulic and slideway systems lubricated from a common supply

Mechanical drives and headstocks of machine-tools

Plain bearings with cast and polymer surface

High performance spur and helical, spur and spiral bevel, enclosed industrial gear drives

### Features and benefits

Excellent lubricity

Effective friction and wear reduction

Increased equipment service life, reduced spare parts and operational costs

Good thermal and oxidation stability

Resists the ageing process, even at high operating temperature and pressure conditions

No deposit or sludge formation

Longer oil service interval and reduced maintenance costs

Excellent prevention of stick-slip

Precise positioning for high-precision manufacturing

Provides a uniform, vibration-free slideway motion even under heavy loads and low speeds

Excellent tackiness

The oil film is resistant to the washing effects of metalworking fluids, so there is a potential to reduce slideway oil consumption

Excellent corrosion protection

Effective protection of steel and non-ferrous metal parts even in the presence of water

Long machine lifetime, so reduced maintenance cost

Compatible with emulsions

Separates effectively from metalworking fluids, easily separable, so contributes to extended service life of technological aids

Compatible with construction materials

No damage to the structures of metals and plastics used in slideways

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### Specifications and approvals

Viscosity grade: ISO VG 68  
*Cincinnati Lamb P-47 (Fives Cincinnati)*  
ISO 11158 HM  
ISO 11158 HG  
ISO-L-CKE  
ISO-L-G  
ISO-L-HG  
ISO-L-HM  
DIN 51502 CGLP  
DIN 51524-2 (HLP)  
DIN 51517-3 (CLP)  
Eaton (Vickers) M-2950-S  
General Motors LS2 LW-06-1-00

### Properties

Properties	Typical values
Density at 15°C [g/cm <sup>3</sup> ]	0,883
Kinematic viscosity at 40°C [mm <sup>2</sup> /s]	67
Kinematic viscosity at 100 °C [mm <sup>2</sup> /s]	8,6
Viscosity index	97
Pour point [°C]	-21
Flash point (Cleveland) [°C]	230

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 27101999

#### SAP code and packaging:

13301371	MOL Multi SW 68 10L	10 l plastic can
13100507	MOL Multi SW 68 50KG	60 l steel drum
13100509	MOL Multi SW 68 180KG	216.5 l steel drum
13300078	MOL Multi SW 68 860KG	IBC (for order only)
13301370	MOL Multi SW 68	Road tank car (for order only)

#### Order booking:

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