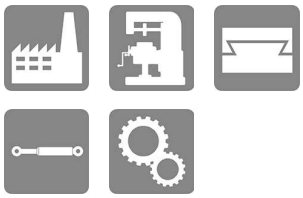
MOL Multi SW 68

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,provideextreme-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
	For industrial use

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

Manufactured and distributed by MOL-LUB Ltd.
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Specifications and approvals

Viscosity grade: ISO VG 68
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
Cincinnati Lamb P-47 (Fives Cincinnati)

Properties

Properties	Typical values
Density at 15°C [g/cm3]	0,883
Kinematic viscosity at 40°C [mm2/s]	67
Kinematic viscosity at 100 °C [mm2/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

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