

Product Data Sheet

Tomoil™ Slideway Oil 46

Slideway oil

Product description

Tomoil™ Slideway Oil 46 represents a precisely engineered lubricant, incorporating German technology to cater to the lubrication needs of machine tool slides, tables, and feed systems. Crafted from high-quality base oils and distinctive additives, it displays exceptional adhesive and friction characteristics, skillfully averting stick-slip phenomena and facilitating smooth motion.

Application

Tomoil™ Slideway Oil 46 is suitable for slideways, tables, carriages, guides and all machining center applications where a tacky extreme pressure lubricant is required. It may also be used for the lubrication of headstocks, cross feeds, saddles and gearboxes.

Features & Benefits

- Superior oxidation stability
- Exceptional adhesiveness
- High load carrying capacity
- Excellent demulsification
- Controlled frictional characteristics
- Long term rust and corrosion protection
- Multi-material capabilities

Typical Properties

Property	Unit	Test method	Typical value
ISO viscosity grade	-	-	46
Density at 15°C	g/cm ³	ASTM D4052	0.874
Kinematic Viscosity at 40°C	cst	ASTM D445	46.00
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	6.820
Viscosity Index	-	ASTM D2270	101
Flash Point (COC)	°C	ASTM D92	228
Pour Point	°C	ASTM D97	-18
Copper Corrosion, 3h, 100°C	-	ASTM D 130	1b
Rust Preventive in the presence in water	-	ASTM D 665	pass
Water separability -time to 3ml emulsion	- -	ASTM D 7451	30

Typical property characteristics are based on current production. Whilst future production will conform to TomoilTM specifications, variations in these characteristics may occur.

Performance claims

- DIN 51524 Part 2
- DIN 51502 CGLP
- DIN 51517 Part 3
- ISO 19378 GA & GB
- ISO 11158 HG
- SO 6743-4 (L-HG)
- ISO 6743-13 (L-GA/L-GB)

Health, Safety & Environment

- **Health and Safety**

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Safety Data Sheet which can be obtained upon request or through our website: www.tomoil.de

- **Protect the Environment**

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Available pack sizes

- 20 L Canister plastic
- 30 L Canister plastic
- 200 L Drum sheet metal
- 1000 L Container

Storage

- We recommend to store all packages under cover.
- Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings.
- Products should not be stored above 60 °C, exposed to hot sun or freezing conditions.

Notes

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