



Magnaglide B 68

Slideway oil

Description

The Magnaglide™ B grades are premium slideway lubricants for machine tools. They are based on highly refined mineral oils and additives to give controlled frictional characteristics in guideway sliding conditions.

Application

The Magnaglide B oils are recommended for the high performance lubrication of slideways on machine tools. They have excellent frictional characteristics, high adhesivity, and high film strength, so that they can be used in conditions of high loads and low sliding speeds on both vertical and horizontal guideways. Furthermore, they can be used for lead screw and nut systems, gears of feed mechanisms and oil lubricated milling heads. The Magnaglide B oils meet the criteria of the Schmidt-Coburg friction and demulsibility tests, thus the range has excellent water wash off characteristics.

Advantages

- Accurate sliding movement leading to enhanced workpiece surface finish.
- Excellent protection of slideways for maximum service life of machinery.
- Good wash off characteristics.
- Good compatibility with known construction materials of slideways.
- Conforms to Schmidt-Coburg requirements for friction and demulsibility properties.

Typical Characteristics

Name	Method	Units	Magnaglide B 68
Appearance	Visual		Clear and Bright
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	g/ml	880
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	70
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	8.9
Viscosity Index	ISO 2909 / ASTM D2270		100
Flash Point - Open Cup Method	ISO 2592 / ASTM D92	°C/°F	232/450
Pour Point	ISO 3016 / ASTM D97	°C/°F	-33/-27
Copper Corrosion (3 hrs@100°C/212°F)	ISO 2160 / ASTM D130	Rating	1b
Rust Test - Distilled Water (24 hrs)	ISO 7120 / ASTM D665A		Pass
FZG Gear Scuffing Test - A/8.3/90	ISO 14635-1	FLS	12

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

Storage

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

Magnaglide B 68

26 Apr 2013

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Marine, Technology Centre, Whitchurch Hill, Pangbourne, Reading RG8 7QR, United Kingdom

www.castrolmarine.com