Technical Data Sheet

Solutions Through Innovative Technology

Name: Val-Lube Spindle Oils
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ValCool, LLC
5230 Brittmoore Rd
Houston, TX 77041

VAL-LUBE SPINDLE OILS

LIGHT VISCOSITY PREMIUM SPINDLE OILS

DESCRIPTION

The Val-Lube Spindle Oil series of products are based upon highly refined mineral oil enhanced with rust and oxidation inhibitors and formulated especially for the lubrication of high speed and precision machine tool spindle bearings. Val-Lube Spindle Oils have been specially formulated to provide outstanding protection against rust and oxidation while demonstrating good lubricity. Val-Lube Spindle Oils are designed for use in all types of spindle bearings, including high-speed spindle bearings and are fully compatible with elastomer materials commonly used for static and dynamic seals, such as nitrile, silicone and fluorinated (e.g. Viton) polymers.

APPLICATION

Val-Spin Oils may be applied by misting, drop feed, force feed, wick feed, as well as, hand oiling and reservoir. In bearing reservoir applications these oils resist oxidation and deposit formation under long term service.

FEATURES & BENEFITS

- Minimized wear under high load conditions, including those caused by spindle wobble from imbalanced loads.
- Protects against rust and corrosion.
- Excellent demulsibility characteristics.
- Reduces sludge, varnish and deposit formation.
- Enhanced thermal and oxidative stability.
- Maintains performance even under severe service and extended drains.
- Prolongs bearing and spindle life.
- Reduces system maintenance.

HEALTH AND SAFETY

Use the same care and handling as for any petroleum product. Provide adequate ventilation as products have a distinctive sulfur-phosphorous odor.
See the most recent SDS which is available directly from ValCOOL, your local representative or authorized distributor. ValCOOL uses only raw materials not listed as carcinogenic by IRAC.

TYPICAL PROPERTIES

	Val-Lube Spin 3	Val-Lube Spin 10	Val-Lube Spin 22
ISO Grade	3	10	22
Gravity, ºAPI	40.4	36.0	33.6
Viscosity @ 40ºC, cSt	3.2	9.6	20.8
Viscosity @ 100ºF, SUS	36.6	58.8	101.2
Flash Point, ºF	285	350	415
Pour Point, ºF	18	12	0