

## PRODUCT DATA SHEET

### SPINDLE OIL 10

Petromin Spindle Oil 10 is a premium quality spindle bearing oil developed for use in high-speed precision machines & spindle. It also meets the performance requirements of leading manufacturers of high-speed CNC milling machines.

Petromin Spindle Oil is formulated to provide excellent wear protection, together with outstanding rust and corrosion inhibitors, and is resistant to excessive foam buildup. It has excellent thermal stability at high temperatures to minimize deposits and provide long oil service life and excellent water-separating properties to minimize the formation of emulsions.

#### BENEFITS

- Good thermal and oxidative stability leads to a longer operating life, which greatly impact on reduction in lubricant costs and minimizes deposit formation giving a cleaner system.
- Good Rust & Corrosion Protection which improves equipment life.
- Excellent water separation characteristics.
- Excellent anti-wear properties.
- Good low temperature characteristic.

#### SPECIFICATION & APPROVALS

Petromin SPINDLE OIL 10 meets or exceeds the requirements of:

- Cincinnati Lamb P-62 (formerly Milacron)

#### APPLICATIONS

- Petromin Spindle Oil 10 is designed for use in all types of normal including high-speed needle or spindle bearings since it has an enhanced lubricity, & has capability to function where fine clearance or "Zero clearance" type spindle bearings are involved.
- It also applicable for use in places like; precision grinders, lathes, jig borers and tracer mechanisms
- Low pressure hydraulic systems where appropriate viscosity is selected
- Applicable to entire Textile industry where machine oil does not contact fabrics or oil staining is not an issue
- Can be used in certain low loaded enclosed gear system.
- In addition, Petromin Spindle Oil promotes outstanding performance in hydraulic systems, gear cases, bearing and other units associated with Spindles.



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### PRODUCT CHARACTERISTICS\*

PROPERTIES	UNITS	VALUE	TEST METHOD
ISO GRADE	-	<b>10</b>	-
Specific Gravity @ 15 °C	-	0.8408	ASTM D-4052
Viscosity @ 40 °C	mm <sup>2</sup> /s	9.56	ASTM D-445
@ 100 °C	mm <sup>2</sup> /s	2.57	ASTM D-445
Flash Point, COC		188	ASTM D-92
Pour Point		-30	ASTM D-97
viscosity Index		98	ASTM D-93
Auto Ignition Temperature		334	ASTM D-2155
Color		L 0.5	ASTM D-1500
Copper Strip Corrosion		1b	ASTM D-130
Neutralization NO.		<0.1	ASTM D-974
Product Code		<b>1310</b>	

\*The information and figures given here are typical of current production and conform to specification, minor variations may occur.

