



Spindle Oils

Product Application:

Spindle Oils are premium extended life turbine grade products designed for the lubrication of high speed spindle bearings in machine tool equipment. They are formulated from the highest grade hydro-treated light viscosity base stocks compounded with the latest technology in additive componentry to provide excellent resistance to thermal and oxidative breakdown, while providing excellent rust and corrosion protection.

Spindle Oils provide excellent lubrication of exacting close tolerance bearing which keep spindles running cool allowing for proper operation of precision machine tools.

Features and Advantages:

Cincinnati Machine P-65, Spindle Oil 2
Cincinnati Machine P-62, Spindle Oil 10
Cincinnati Machine P-45, Spindle Oil 15
Cincinnati Machine P-45, Spindle Oil 22
Cincinnati Machine P-45, Spindle Oil 32

- *Excellent anti foam characteristics
- *Turbine grade extended life base stock
- *Filtered to a cleanliness of 1 micron
- * Excellent water demulsibility
- *Capable of misting applications

Package Size:

Bulk, Drum, Pail, 2.5 Gallons

Typical Characteristics:

ISO GRADE	2	10	15	22	32
Viscosity Index (Min.)	106	104	104	103	102
Viscosity					
cSt @ 40°C	2.1	10.0	15	22.0	31.8
cSt @ 100°C	.95	2.62	3.28	4.0	5.3
Total Acid Number, ASTM D974, mgKOH/g	0.06	0.06	0.06	0.06	0.06
Rust Characteristics,					
Proc A, ASTM D 665	Pass	Pass	Pass	Pass	Pass
Pour Point, °C, ASTM 97	-35	-20	-9	-20	-18
Flash Point, °C, ASTM 92	84	182	194	192	220
Copper Strip Corrosion, 3 hrs					
@ 100°C, ASTM D 130	1A	1A	1A	1A	1A
Density @ 15°C, ASTM D 4052, kg/L	0.802	0.844	0.854	0.862	.881

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