

SPINDLE OIL

High Speed Machine Tool Spindle Oil

Description

Spindle Oils are specialty lubricating oils designed for high speed machine tool spindles. They provide the superior lubrication and low friction properties necessary in high speed close-tolerance bearings. Spindle Oils help systems run cool and supply the consistent lubrication required by today's critical machine tools.

Spindle Oils are also used in some low pressure hydraulics, circulation systems and airline oilers where the appropriate viscosity grade is selected. They resist foaming and separate readily from water.

Typical applications for **Spindle Oils** include high-speed bearings such as those found in many machine tool spinning frame and twister spindles.



Features/Benefits

- Excellent Oxidation Resistance
- Improved Oil Life
- Superior Rust and Corrosion Protection
- Reduced Deposits
- Excellent Water Separation
- Emulsion Resistant
- Allows for Easy Removal of Moisture

Also recommend for hydraulic applications where low viscosity oils are called for:

- Air Line Oilers (100 Spindle)
- Precision Grinders
- Lathes
- Jig Boreers

Physical and Chemical Properties

Physical Properties	10 Spindle	32 Spindle	60 Spindle	100 Spindle
Product Number	273	269	266	270
ISO Grade	2	5	10	22
API Gravity @ 60°F	41.1	34.5	33	32.4
Viscosity @ 40°C, cSt	2.0	4.5	10	20
Viscosity @ 100°F, SUS (ref)	32.6	41	59	98
Viscosity Index, min	NR	90	90	95
ASTM Color	1	1	1	1.5