

SHELL SPINDLE[®] OILS

Premium quality lubricants for high speed bearings

Product Description

Shell Spindle[®] Oils are premium quality, highly refined lubricating oils formulated for use in high-speed, lightly loaded bearings, running at speeds of 20,000 to 40,000 RPMs, found in textile spinning frames and in automated machine tools. **Shell Spindle[®] Oils** provide excellent oxidation stability, rust protection and resistance to deposit formation. Their low viscosities reduce oil thickness, lowering operating temperatures by reducing friction and increasing machine efficiency. The carefully balanced anti-wear chemistry contained in **Shell Spindle[®] Oils** helps extend equipment life.

Applications

- textile industry where machine oil does not contact fabrics or oil staining is not an issue
- automatic machine tools and other applications where operating speeds are in excess of 10,000 rpm

Features/Benefits

- superior oxidation stability
- non-corrosiveness to metals
- excellent water separation characteristics
- excellent protection from rust and oxidation
- excellent anti-wear properties

Approvals and Recommendations

- Cincinnati Machine P-45 (**Shell Spindle Oil 22**)
- Cincinnati Machine P-62 (**Shell Spindle Oil 10**)

Typical Properties of Shell Spindle Oils

	Test Method	ISO Viscosity Grade	
		10	22
Product Code		65212	65213
Viscosity:			
@ 40°C, cSt	D 445	10.0	21.1
@ 100°C, cSt	D 445	2.3	4.1
Gravity, °API	D 1298	28	32
Flash Point, °F	D 92	300	380
Pour Point, °F	D 97	-30	-25
Copper Corrosion	D 130	1a	1a
Acid Number, mg KOH/g	D 974	0.2	0.2
Emulsion Test, minutes	D 1401	5	5
Turbine Oil Stability Test, hrs	D 943	2000+	2000+
Rust Test	D 665B	Pass	Pass

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet <http://www.equivashellmsds.com>. For more information and availability, call **1+800-782-7852** or visit the World Wide Web: <http://www.shell-lubricants.com/>.