

PRODUCT DATA SHEET

DAVID WEBER OIL CO.

601 Industrial Road · Carlstadt, NJ 07072 | 201.438.7333 phone | 201.438.3178 fax
www.weberoil.com

Gibraltar Spindle Oils

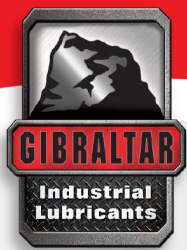
Superior Quality Lubricants For High-Speed Applications

Gibraltar Spindle Oils are a line of high quality, zinc-free, anti-wear lubricants designed for high-speed machine elements. They provide excellent performance in spinning and twister spindles and in very high-speed bearings that are often found in machine tool spindles, especially grinders. Their specialized additive system protects against wear while ensuring no adverse reactions to any yellow metals (brass, copper, bronze, etc.) that may be present.

Gibraltar Spindle Oils have excellent thermal and oxidative stability enhancing their resistance to breakdown and translating to long fluid life. **Gibraltar Spindle Oil #10** is an ISO 10 viscosity grade fluid, the lighter of the three, and is recommended for use in small package textile spindles, higher speed bearings, tighter tolerance applications and wherever an OEM specifies an ISO 10 spindle or zinc-free lubricant. **Gibraltar Spindle Oil #15** is an ISO 15 viscosity grade fluid, the mid-vis of the three, that can be used in place of either #10 or #22 when weeping or seal compromise is an issue or where a thicker than #10 oil is needed or specified. **Gibraltar Spindle Oil #22** is recommended for larger spindle applications and machinery. These fluids are all suitable for use as hydraulic fluids where their viscosity meets and are suitable for the applications' requirements.

Gibraltar Spindle Oils provides the following benefits:

- Excellent Anti-Wear Protection
- Thermally & Oxidatively Stable
- Outstanding Rust & Corrosion Resistance
- Low Volatility Impeding Mist & Fogging
- Superior Filterability & Demulsibility



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TYPICAL PROPERTIES

Product	Spindle #10	Spindle #15	Spindle #22
ISO VG	10	15	22
Color, ASTM	0.5	0.5	0.5
Specific Gravity, g/cm ³	0.847	0.854	0.862
Viscosity, cSt @ 40 °C	10	15	22
Viscosity, cSt @ 100 °C	2.63	3.4	4.28
Viscosity Index	94	98	98
Flash Point, COC, °C, min	180	195	210
Rust Test	Pass	Pass	Pass
Copper Corrosion	1B	1B	1B
Total Acid Number	0.08	0.08	0.08