

Hi-Tech SPINDLE OIL SERIES

2/6/10/12/15/22

Anti-Wear, Anti-Rust Spindle Oil

Product Description

The Hi-Tech Spindle Oil series comprises of high-quality lubricating oils designed to be energy efficient and suitable for use with high-speed spindles. These oils are made from premium, highly refined base oils with outstanding chemical and oxidation stability. Additionally, they are fortified with specially selected rust and oxidation inhibitors to provide superior protection against corrosion and rusting on bearing surfaces, even when exposed to moisture. Moreover, the Hi-Tech Spindle Oil series contains a unique antiwear additive that enhances oiliness and minimizes friction and wear between rubbing surfaces. This results in significant reduction of friction, heat, and wear of the spindle components, thereby promoting longer equipment lifespan and reduced maintenance costs. The Hi-Tech Spindle Oil series to provide exceptional lubrication, rust protection, and wear reduction for your high-speed spindles.



Features & Benefits

- Excellent oxidation resistance and thermal stability
- Long service life for reduced operating and maintenance costs
- Protects against wear
- Excellent oiliness characteristics (ISO VG 2 & 15)
- Protects against rust and corrosion
- Excellent water-separating properties
- Excellent low-temperature performance
- Clear color
- Non-staining
- Quick foam release

Applications

- Horizontal, vertical, bed-type, knee-type, and turret-type CNC milling machines.
- High-speed needle and spindle bearings in industrial, agricultural, and textile machinery
- Low-pressure hydraulic systems that require a low-viscosity oil

Technical Properties

Characteristics \ Series	Hi-Tech Spindle Oil Series					
	2	5-6	10	12	15	22
ISO Viscosity Grade	2	5-6	10	12	15	22
Viscosity, ASTM D 445						
mm ² /s @ 40°C	2.1	5.5	10	12	15	22
mm ² /s @ 100°C	1	1.7	2.5	2.9	3.4	4.4
Flash Point	94	142	170	178	185	201
Acid Number, ASTM D664, mg KOH/g	0.02	0.02	0.02	0.01	0.01	0.01
Rust protection, ASTM D 665, Sea Water	Pass	Pass	Pass	Pass	Pass	Pass
Copper Strip Corrosion, ASTM D 130, 3 hrs @ 100°C	1a	1a	1a	1a	1a	1a
Colour D1500	0.5	0.5	0.5	0.5	0.5	0.5

All the mentioned values are typical which may vary from batch to batch.