



Spindle Oil ISO 22

Eco Ultra® Spindle Oil ISO 22 is formulated to completely satisfy the lubrication requirements of high speed and precision machine tool spindle bearings. This oil is made with carefully refined high viscosity index base oils specifically treated to exhibit outstanding viscosity temperature characteristics and enhanced with high quality rust and oxidation inhibitors.

Selected ingredients are blended with these stocks to impart high oxidation stability and effective rust and corrosion resistance to extend the life of moving parts. Eco Ultra Spindle Oil provides excellent protection of yellow metal and ferrous components that help maintain and prolong equipment life. The lubricant has excellent demulsibility properties and foam control to allow consistent lubrication under high agitation conditions typical of spindle bearings.

Shelf life:

Product shelf life is 36 months from the date of manufacture.

<u>PROPERTY</u>	<u>ASTM TEST METHOD</u>	<u>ISO 22</u>
Viscosity @ 40°C, cSt	D445	22.50
Viscosity @ 100°C, cSt	D445	4.50
Viscosity Index	D2270	115
Flash Point, COC, °C	D92	220
Flash Point, COC, °F	D92	428
Pour Point, °C(°F)	D97	-36(-33)
Color	D1500	0.5
Gravity, °API	D287	34.0

Meets or exceeds the following tests and requirements:

Cincinnati Lamb – P-45

Spindle Oils classified as follows:

DIN 51502 classification – HL

ISO 6743/4 – Hydraulic Oils Type HL

ISO 6743/2 – Spindle Oils Type FC