



NEAT METAL CUTTING OIL

PSO Neat Metal Cutting Oil series is blended with highly refined mineral base oils and a combination of synthetic calcium sulfonate to provide extreme pressure lubricity and supplementary corrosion protection. Addition of sulfurized olefin make the oil capable to replace chlorinated paraffin for heavy duty applications and hard-to-machine metals.

Benefits

- Excellent extreme pressure and anti-wear properties.
- Synergistic with active sulphur compounds.
- Excellent cooling and lubrication in a wide range of machine operation.
- Environment friendly because of chlorine free technology.
- Provides good surface finishing.
- Non-staining characteristic.
- Flush chips away from work area.
- Excellent rust inhibitor.
- Low Odour.

Applications

- Recommended for machining of both ferrous and nonferrous applications.
- Suitable for heavy duty applications and hard to machine metals.
- Oil is recommended for use to machine tough ferrous alloys as well as mild steel and cast iron in such operations as: Milling, Drilling, Turning, Grinding, Broaching, Thread cutting, Tapping & Metal forming.

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS	
		22	32
Density @ 15°C, kg/L	ASTM D-4052	0.8880	0.8923
K. Viscosity @ 40°C, cSt	ASTM D-445	22.43	32.55
K. Viscosity @ 100°C, cSt	ASTM D-445	4.42	5.49
Viscosity Index	ASTM D-2270	106	104
Flash Point (COC), °C	ASTM D-92	184	188
Pour Point, °C	ASTM D-97	-33	-24
Total Base Number, mg KOH/g	ASTM 2896	21	21

*These typical characteristics mentioned are based on current mean values.

Based on available information, this product does not contain any component that may produce any significant hazard to health when used for the recommended application. Guidelines for health and safety are available in Material Safety Data Sheet of the product. Dispose of used oil, containers, cartons labels in an environment friendly manner. Do not discharge used oil into drain, soil or water. Advice on application not covered in this leaflet, may be obtained from lubricants.technical@psopk.com