



NEAT METAL CUTTING OIL

PSO Neat Metal Cutting Oil series, a carefully formulated blend of highly refined mineral base oils and synthetic calcium sulfonate. This unique combination delivers extreme pressure lubricity and additional corrosion protection. With the added benefit of sulfurized olefin, this oil is a versatile solution suitable for heavy-duty applications and challenging-to-machine metals.

Benefits

- Displays excellent extreme pressure and anti-wear properties.
- Synergistic with active sulfur compounds.
- Provides outstanding cooling and lubrication across a wide range of machine operations.
- Environmentally-friendly due to chlorine-free technology.
- Ensures good surface finishing.
- Exhibits non-staining characteristic.
- Efficiently flushes chips away from the work area.
- Acts as an excellent rust inhibitor.
- Imparts low odor.

Applications

- Ideal for machining both ferrous and nonferrous metals.
- Suitable for heavy-duty applications and challenging-to-machine metals.
- Recommended for use in machining tough ferrous alloys, mild steel, and cast iron in various operations such as milling, drilling, turning, grinding, broaching, thread cutting, tapping, and metal forming.

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS	
ISO VG		22	32
Density @ 15°C, kg/L	ASTM D-4052	0.8885	0.8929
K. Viscosity @ 40°C, cSt	ASTM D-445	22.9	32.8
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	186	194
Pour Point, °C	ASTM D-97	-30	-24
Total Base Number, mg KOH/g	ASTM D-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