

Product Data

ZIE NEAT CUT 945 Premium Neat Cutting Oil

Description:

ZIE NEAT CUT 945 is neat cutting oils with improvised dosage of active sulfurized fats. It improves oiliness property thus providing better surface finish.

Its chemically stable at the interface of the tool-work piece-chip. It protects the cutting tool over a wide range of operating temperatures.

Features:

- Ensures tool edges life over a wide range of operating temperatures.
- Excellent oiliness property provides good surface finish.
- Ensures smooth machining even at severe and tough conditions at components.
- High temperature adaptability helps to avoid localized welding between the chip and tool.
- Reduces oil consumption on components and swarf

Specifications:

- Meets IS : 3065-1985 (Reaffirmed 1995) Type III Grade 2.

Applications:

- ZIE NEAT CUT 945 are recommended for most of the cutting operations on ferrous metals under severe operating conditions, which demand high degree of chemical activity in oils. This oil is suitable for machining operations on high tensile stainless steel as well as Ni-Cr alloys by automatics, gear cutting, hobbing, drilling, reaming and thread cutting machines. To obtain best results with the use of this product, it is necessary that a copious flow of oil at low pressure is maintained at the cutting area.

- The use of ZIE NEAT CUT 945 for cutting operation on non-ferrous metals and its contact with soft metal bushes in machines should be avoided.

Typical characteristics:

Characteristics	Test Method	Zie Neat Cut 945
Appearance		Bright & Clear
Kinematic viscosity, cSt at 40 °C	ASTM D 445	28-35
Flash point (COC), °C, min.	ASTM D 92	208
Pour point, °C, max.	ASTM D 97	<-9
Copper strip corrosion, at 100 °C, 3 hrs.	ASTM D 130	4

The above figures are typical figures with normal production tolerance.

Health & Safety

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.