

Product Data

ZIE HICUT CSF E 40 Water-immiscible Cutting oil- Ester base

Description:

ZIE HICUT CSF E 40 water-immiscible cutting oil which is developed for broad range of operations. It has been formulated with excellent lubrication properties, heat transfer and best electrical conductivity for chip removal. Therefore, it provides very good surface finish at the machining materials.

Zie Hicut CSF E 40 is a mineral oil free ester base high performance cutting oil with high flash point to avoid smoke at severe cutting operations.

Application:

It could be used for all types of Steels , Aluminium and Aluminium Alloys ,Titanium and Titanium Alloys and copper alloys materials

Recommended for the following operations: Gear hobbing , Milling , Shaping Broaching , Turning , reaming and Threading operations
Special purpose machines

Typical characteristics:

CHARACTERISTICS	TEST METHODS	ZIE HICUT E 40 CSF
Colour,	Visual	Yellow brownish Fluid
Density at 29.5 °C	DIN 51517	0.91 gm/ ml
Kinematic Viscosity @ 40 °C		40 cst
Flash Point , °C	ISO 2592 (COC)	300
Copper Corrosion @ 100 °C for 3 Hrs	ISO 2160	I B

The above figures are typical figures with normal production tolerance.

Benefits:

- Provides longer tool life.
- Excellent machining surface finish based on Ester properties in the oil
- Product is highly biodegradable (>90 %) . The product is toxicologically harmless , offering optimum safety and hygienic conditions to operators
- It contains low volatile esters , formation of oil mist is reduced considerably
- It is free from Mineral oil , Zinc , chlorine and sulphur content

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.

Available Pack Sizes : 30 L & 210 L

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