

FARACUT HS3

SEMI SYNTHETIC NEAT CUTTING OIL

DESCRIPTION

FARACUT HS3 is a highly refined cutting oil with special lubricity additives to enhance cutting without the use of Chlorine, Sulphur or Phosphorus.

FARACUT HS3 gives excellent wetting, cooling and lubricity properties to enhance surface finishes, particularly on non ferrous alloys, which are also protected against stain and corrosion. The low viscosity of the product gives improved heat transfer away from the cutting zone and hence reduces temperature at the point of cut.

APPLICATIONS

FARACUT HS3 is particularly suited to machining aluminium and its alloys, under high-speed regimes. Also suited to the machining of Magnesium alloys where it should be applied at low pressure with high flood volumes to give good cooling and swarf quenching.

FARACUT HS3 is also suitable for grinding tungsten carbide tipped tools where it suppresses the solubilisation of cobalt metal.

FEATURES / BENEFITS

- EXCELLENT FOR MACHINING MAGNESIUM ALLOYS
- FOR EXTRA HIGH SPEED ROUTING AND TURNING ALUMINIUM ALLOYS
- CHLORINE AND SULPHUR FREE
- SUPERIOR HEAT TRANSFER QUALITIES
- FIRST CLASS MEDIUM FOR GRINDING CARBIDE TIPPED TOOLING

PHYSICAL CHARACTERISTICS

Appearance	A mobile light straw coloured oil
Relative Density @ 15.6°C	0.880
Kinematic Viscosity @ 40°C/cSt	8.9
Chlorine Sulphur	Nil
Water Content	Nil
Closed Flash Point °C	142

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