

JoshCool Semi

300 Water Soluble Cutting Oil - Semi-Synthetic EP

Product Description

JoshCool Semi is a premium Semi-Synthetic + EP Additives Water Soluble Cutting Oil - Semi-Synthetic EP designed for Heavy-duty CNC machining, aerospace alloys, stainless steel, titanium. Meets ISO 6743-7 MHS/MHC specifications and delivers exceptional performance in demanding conditions.

Technical Specifications

Appearance (Concentrate)	Amber liquid
Appearance (Emulsion 5%)	Translucent/slight haze
Density at 15°C	1.04 g/cm³
pH Value (5% Emulsion)	9.2-9.6
Refractometer Factor	1.8
Recommended Dilution	4-8%
Emulsion Stability	Excellent
Corrosion Protection (IP 287)	Pass Grade 0
EP Performance (Tapping Torque)	< 80% of reference
Hard Water Stability	Up to 600 ppm
Foam Test (ASTM D892)	10 ml max
Biostability	Excellent - 8-12 weeks sump life
Residue on Evaporation	Low
Sulfur Content	0.3-0.6%
Mineral Oil Content	30-40%

Applications

Heavy-duty CNC machining, aerospace alloys, stainless steel, titanium

Performance Standards

ISO 6743-7 MHS/MHC

Handling & Storage

- Store in a cool, dry place away from direct sunlight
- Keep container tightly closed when not in use
- Shelf life: 36 months from date of manufacture
- Do not mix with other lubricants