

JoshCool EM HD

30 Water Soluble Cutting Oil - Heavy Duty Emulsion

Product Description

JoshCool EM HD is a premium Mineral Oil Emulsion + EP Additives Water Soluble Cutting Oil - Heavy Duty Emulsion designed for Heavy machining, tapping, threading, reaming of alloy steels. Meets ISO 6743-7 MAG/MHC specifications and delivers exceptional performance in demanding conditions.

Technical Specifications

Appearance (Concentrate)	Dark amber oily liquid
Appearance (Emulsion 5%)	Milky white/cream
Density at 15°C	0.94 g/cm³
pH Value (5% Emulsion)	9.0-9.4
Refractometer Factor	1.2
Recommended Dilution	5-10%
Emulsion Stability	Excellent
Corrosion Protection (IP 287)	Pass Grade 0
Hard Water Stability	Up to 350 ppm
EP Performance (Tapping Torque)	< 85% of reference
Foam Test (ASTM D892)	20 ml max
Biostability	Very Good - 6-8 weeks sump life
Sulfur Content	0.5-1.0%
Mineral Oil Content	70-80%

Applications

Heavy machining, tapping, threading, reaming of alloy steels

Performance Standards

ISO 6743-7 MAG/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