

XTREME CUT 220C

Premium Semi-Synthetic for Ferrous Materials

Performance Benefits

- Superior corrosion protection
- Excellent bio-resistance, including resistance to Mycobacteria (verified by BIOSAN Laboratories)
- Economical in use cost-very low drag out rates and minimal additive requirements
- Very long fluid life in both central systems and individual sumps
- Residue free parts and machine tools
- Low foaming
- Complete rejection of tramp oil
- Formaldehyde free to comply with health and safety regulations

XTREME CUT 220C is a chlorine free, moderate duty, semi-synthetic cutting and grinding fluid for ferrous metals, especially cast and ductile irons. The product has been designed for use in central systems.

XTREME CUT 220C is specifically formulated to provide cost savings by extending central system life and reducing concentrate and additive requirements. This product utilizes the latest metalworking technology which provides the best ferrous corrosion protection available on the market today.

XTREME CUT 220C is used for general machining, turning, boring, cylindrical grinding, internal grinding, tapping, centerless grinding, drilling, and reaming. The fluid has a tight emulsion to promote tramp oil rejection and exhibits excellent hard water stability up to 35 grains of hardness. This unique product employs state of the art raw materials to prevent the rotten egg odors associated with most soluble oils and semi-synthetic fluids.

Typical Characteristics

Appearance of concentrate.....clear, amber liquid
 Appearance of emulsion.....translucent
 Density.....8.41 lbs./gal
 pH of 5% emulsion.....8.9-9.3

XTREME CUT 220C does not contain: Boric Acid, Chlorine, Diethanolamine, Formaldehyde Release Biocides, Heavy Metals, Nitrite, Phenols, Phosphates, Silicones, or Sulfur.

Recommended Concentration

Grinding3 - 5%
 General Machining.....4 - 8%
 Heavy Duty Machining.....8-10%

XTREME CUT 220C is to be mixed with water for use (add concentrate to water)

Concentration Control

The chart below was prepared using an Atago Master M refractometer and dilutions of XTREME CUT 220C in distilled water. Refractometer readings can vary with the type of water and refractometer used. Atago Master M refractometers are available from QualiChem, Inc.

CONCENTRATION %:	3	4	5	6	7	8	10	12
REFRACTOMETER READING:	1.9	2.6	3.2	3.8	4.5	5.1	6.4	7.7

Packaging

XTREME CUT 220C is available in totes, steel drums and plastic pails.