



XTREME COOL 343C

Premium Oil-Dispersing Solution Synthetic

Performance Benefits

- Superior corrosion protection for cast iron and steel
- Reduction of smut buildup due to clean running fluid
- Prevention of clinkering of cast iron chips due to unique oil-dispersing technology
- Excellent bioresistance for long system/pump life
- Low foaming in both soft and hard water
- Formaldehyde free to comply with health and safety regulations

XTREME COOL 343C is an oil-dispersing synthetic cutting and grinding fluid specifically designed for use on cast iron. The product is engineered to address the problems associated with cast iron machining such as rust, smut buildup, and clinkering. The oil dispersing technology and additive chemistry of XTREME COOL 343C provides greater rust protection than other metalworking fluids and additionally, helps carry smut and fines back to the filter system. Only a small amount of oil is dispersed to aid in cleanliness and rust protection while the remaining oil is rejected for easy removal from the system, extending system life. XTREME COOL 343C works well in individual sumps and central systems to include transfer lines. This is a new generation of synthetic technology that is designed to provide optimum operator acceptance. XTREME COOL 343C overcomes objections to synthetics fluids by being extremely mild to the skin and giving off very low odor.

Typical Characteristics

Appearance of concentrate.....	Yellow liquid
Appearance of dilution.....	Transparent to slightly opaque
Density	8.72 lbs./gal
Specific gravity.....	1.046
pH of 5% solution.....	9.1-9.5
Chlorine, Diethanolamine, Formaldehyde Release biocides, Mercurials, Nitrite, Phenols, Phosphates, Silicones, Sulfur.....	None

Recommended Dilutions

XTREME COOL 343C is to be mixed with water for use (add concentrate to water)

Grinding:	3-6%
Machining:	4-12%

Concentration Control

The chart below was prepared using an Atago Master M refractometer and dilutions of XTREME COOL 343C 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:	1.3	1.7	2.2	2.6	3.1	3.5	4.4	5.2

Packaging

XTREME COOL 343C is packaged in 310-gallon, one-way tote tanks and 55-gallon, non-returnable steel drums. Bulk and 5-gallon pails are also available.

Available at:



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The Next Generation in Metalworking Chemistry