

# XTREME CUT 232

## Premium Semi-Synthetic

### Performance Benefits

- Unmatched machining performance on steels and stainless alloys
- Economical to run – unique surfactant system dramatically reduces drag-out rates
- Extremely low foaming, even in high pressure with purified water
- Safe on all materials, will not stain sensitive aluminum alloys or yellow metals
- Outstanding resistance to biological degradation, even after months in a machine
- Formaldehyde free to comply with health and safety regulations

XTREME CUT 232 is designed to excel on ferrous materials while also being multi-metal safe. This fluid is ideal to use when a mix of metals are being machined or ground and where the primary metals consist of steels and stainless alloys, including heat-treated stainless steels. XTREME CUT 232 offers a level of point-of-cut performance on ferrous alloys previously only possible with high-lube full synthetic fluids and extreme pressure containing soluble oils, but with the machine compatibility, operator friendliness and rust protection of today's premium low oil emulsion products. This is made possible by selecting raw materials specifically designed to lubricate and provide extreme pressure performance on ferrous metals. The fluid has the additional benefit of unique surfactant chemistry for extremely low drag-out rates, thus reducing usage and maintenance burden. XTREME CUT 232 will run clean, has excellent resistance to biological contamination and is low foaming.

### Typical Characteristics

Appearance of concentrate .....	Amber liquid
Appearance of emulsion.....	Semi-translucent
Density .....	8.34 lbs. /gal
pH of 5% emulsion.....	8.8-9.2
Diethanolamine, Formaldehyde Release Biocides, Mercurials, Nitrite, Phenols, Phosphates, Silicones .....	None

### Recommended Dilutions

XTREME CUT 232 is to be mixed with water for use (add concentrate to water)

Grinding:	3-8%
Machining:	4-12%

### Concentration Control

The chart below was prepared using an Atago Master M refractometer and dilutions of XTREME CUT 232 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:	2.2	2.9	3.6	4.3	5.0	5.8	7.2	8.6

### Packaging

XTREME CUT 232 is packaged in 310-gallon, one-way tote tanks and 55-gallon, non-returnable steel drums. Bulk and 5-gallon pails are also available.

**QUALICHEM**  
Metalworking Fluids

AN ISO 9001:2008 COMPANY  
2003 Salem Industrial Drive | Salem, VA 24153  
540.375.6700  
[www.qualichem.com/metalworking](http://www.qualichem.com/metalworking)