



# FS CG 5170

## High Performance Cutting/ Hobbing Oil- Light Viscosity

**FS CG 5170** was formulated to meet the demands of high performance shops requiring far more than the average cutting, hobbing, and grinding oil. The proprietary additive chemistries used in **FS CG 5170** impact lubricity and cleanliness characteristics that supersede most competitive products. Additionally, the lower viscosity of **FS CG 5170** increases the pumpability of the product and helps to cool the parts more efficiently. The lower viscosity also reduces the amount of oil being carried off with the chips and the grinding swarf, helping to reduce oil consumption.

### PRODUCT APPLICATIONS

When using **FS CG 5170** in gear hobbing/ cutting, machining, drilling, tapping, reaming, and grinding, one can expect the following characteristics:

- Superior anti-welding/ wetting characteristics, dramatically improving insert, tap, and drill life
- Increased speed and feed rates, especially with low machinability materials
- Very low foaming, providing more efficient oil and additive delivery to the tool/ part interface
- Low smoking/ misting, reducing the amount of shop contamination
- Reduced drag off, therefore reducing the amount of oil carried off with the parts and chips
- Pleasant smell, no heavy sulfur odors or other unpleasant characteristics
- Clear amber fluid, improving visibility and in-process inspection

### TYPICAL PHYSICAL PROPERTIES

Fluid Type:	Cutting and Grinding oil
Viscosity cSt @ 40°C	15
Flash Point:	>380
Specific Gravity:	0.86
Oxidation Stability:	Highly Stable
Copper Corrosion Number:	1A (Non Staining)
ASTM Color:	1.5
Odor:	Mild, Light Oil Smell

**STORAGE:** **FS CG 5170** should be stored at room temperatures (between 55 to 95 °F). Keep away from sparks, open flames, and other sources of ignition as product and empty containers could contain combustible, flammable, or ignitable substances. Do not weld or cut empty drums.

**HEALTH & SAFETY:** Please refer to the Safety Data Sheet (SDS) for additional information.

**Warranty:** Because conditions of use are beyond our control no representation or warranty is made in connection with the use of this product. Technical information and recommendations are believed to be accurate but are not guaranteed.

April, 2015

R: Product Tech Letterhead 2015/FS CG 5170