



# FS CG 5418

## High Performance Machining Oil

**FS CG 5418** is formulated to meet the demands of high performance shops requiring far more than the average screw machine/ cutting oil (especially high speed Swiss style machines). The proprietary additive chemistries used in **FS CG 5418** impart lubricity and machinability characteristics that supersede those found in other cutting oils. **FS CG 5418** has proven itself especially useful in the manufacture of medical implants and those shops wishing to machine difficult metals.

### PRODUCT APPLICATIONS

When using **FS CG 5418** for machining, drilling, tapping, reaming, hobbing, gear cutting, and broaching, 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 difficult metals
- 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:	High Performance Cutting Oil
Viscosity, cSt @ 40°	38
Flash Point:	400 Degrees F
Specific Gravity:	0.91
Oxidation Stability:	Highly Stable
Copper Corrosion Number:	1C
ASTM Color:	Clear Amber, 1.5
Odor:	Mild, Light Oil Smell

**STORAGE:** **FS CG 5418** 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.

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