



## **GLOC-EDM OIL**

### **DESCRIPTION:**

**GLOC-EDM Oil** is a electrical discharge machining fluid to be used as received. This outstanding product exhibits excellence resistance and is easily filtered. Particles settle out due to the low viscosity of this product. With it's relatively high flash point and non-corrosive traits this product is operator accepted. The outstanding physical characteristics of this product coupled with the cost performance function ratio justify looking at replacing your present EDM fluid.

### **Product Data**

### **KEY PERFORMANCE QUALITIES**

- Original tried and proven formula*
- Better flushing – improve cutting speed and improved finishes*
- Excellent filterability properties*
- Clear liquid to see the work place*
- Outstanding oxidation resistance*
- High degree of operator acceptance, improved health and safety*
- Good stability and superior resistance to rancidity*
- For use with all metals*
- High dielectric strength*

### **TYPICAL PRODUCT APPLICATIONS**

**Electrical Discharge Machining** is a metal removing process involving the removal of material from the work piece by a series of controlled electrical discharges or sparks. The tool and the work piece are insulated by a special dielectric fluid. Upon application of sufficient electrical energy, an electrical discharge passes through the fluid to the work piece resulting in metal removal. The fluid must have a high flash point for safety, good dielectric properties for proper insulation and passage of the spark at the breakdown voltage, and low viscosity to provide fluidity through the spark gap, particle setting, and cooling properties. **EDM Oil** is a premium dielectric fluid meeting the requirements for insulation and controlled dielectric discharge during electrical discharge machining operations. **EDM** is also extremely effective as a glass grinding fluid.

**METALWORKING FLUIDS \* AIRCRAFT \* INDUSTRIAL \* AUTOMOTIVE**

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Gloc- EDM Oil cf-2700

## TYPICAL PHYSICAL AND CHEMICAL CHARACTERISTICS

1. Color	Colorless
2. Odor	Characteristic
3. Appearance	Clear, liquid
4. Viscosity @ 40 °C	3.5 Cst
5. A.P.I. Gravity 60 ° F	38.6
6. Specific Gravity 60 ° F	0.8319
7. Density (LBS/GAL)	6.926
8. Flash Point °F	275
9. Aniline Point °F	189
10. KB Value	25.4
11. Boiling Point °F	516
12. Freeze Point °F	32
13. Aromatic %	11.0
14. Normal Paraffin %	36.9
15. Isoparaffin %	22.3
16. Cycloparaffin %	35.5
17. Dielectric Constant	27.4KV

To obtain samples please contact our customer service representative.

The outstanding physical characteristics of this product coupled with the cost / performance ratio justify looking at replacing your present EDM FLUID.

### Storage/Handling/Disposability

No health or safety hazards exists when **GLOC-EDM Oils** are stored, used and disposed of in accordance with instructions given on the Material Safety Data Sheet for this product.

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