

# OPTICOOL-MIL FLUID

- Cools more efficiently than other fluids
- Superior heat transfer capabilities
- Higher oxidation and inhibitor stability
- Exceptional for extreme temperature applications
- Compatible with Mineral Oil
- Complies with US Military Spec MIL-C-87252A

## Synthetic Heat Transfer and Insulating Fluid for Military and Aerospace Equipment

OptiCool-MIL Fluid is a highly efficient dielectric heat transfer fluid used to cool electrical equipment in military and aerospace applications. OptiCool-MIL has excellent heat transfer characteristics and a very high dielectric strength.

Containing advanced oxidation inhibitors, it provides longer service life at high temperatures. Compared to standard transformer oil, OptiCool-MIL biodegrades faster and has better heat transfer characteristics. Gallon for gallon, OptiCool-MIL Fluid is almost 10% lighter than mineral oil.



OptiCool-MIL's enhanced electronic cooling performance allows equipment to be smaller in size and minimize the operating temperatures in any equipment.

### Used to Lower Temperatures in Applications:

- Chemical process cooling
- Immersion of electronic circuit boards
- Cooling of radar and transmission equipment
- Exceptional low temperature fluidity

### TYPICAL CHARACTERISTICS - Compared with ASTM D3487, Guide for Mineral Insulating Oils

Characteristic & ASTM method	OptiCool -MIL Fluid	Transformer Oil
Flash Point, D92 °C	160	145 min
Viscosity, D88, cSt. @ 40 °C	5.0	12.0 max
Viscosity, D88, cSt. @ 100 °C	1.7	3.0 max
Specific Gravity, D1298, 20 °C	0.798	0.91 min
Pour Point, D97, °C	-66	-40 max
Appearance	Clear	Clear
Dielectric Breakdown, D1816, kV	58	35 min
Dissipation Factor, D924, 100 °C, %	0.01	0.30 max



9001:2008  
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