



## **ARCTIC EXTREME ISO 13 HYDRAULIC FLUID**

**PRODUCT CODE: 42222**

### **DESCRIPTION**

49 NORTH® ARCTIC EXTREME ISO 13 HYDRAULIC FLUID is an extremely high viscosity antiwear hydraulic fluid, recommended for all types of hydraulic systems operating under extremely low ambient temperatures. This product conforms to the extreme arctic viscometric requirements of MIL 5606-A spec.

### **QUALITIES**

49 NORTH® ARCTIC EXTREME ISO 13 HYDRAULIC FLUID has very high viscosity index with excellent shear stability, ensuring a thick lubricating film and hydraulic pump efficiency during the full life of the fluid. Good compatibility with elastomers and seals, and excellent demulsibility with water. Extremely low pour point and superior low temperature flow characteristics prevent pump cavitation during start-up. Excellent antifoam, corrosion protection, and anti-oxidation properties. Dyed red for easy identification.

### **APPLICATIONS**

49 NORTH® ARCTIC EXTREME ISO 13 HYDRAULIC FLUID is specifically designed to be used in all types of hydraulic pumps and motors that require the use of antiwear hydraulic oils. It is suitable for hydraulic systems working under extremely low temperatures and permits easy startup in arctic conditions. This product does not meet aviation requirements.

### **TYPICAL PROPERTIES**

ISO Viscosity Grade	13
Product Code	42222
Specific Gravity (ASTM D-1298)	0.86
Density (lbs./gal.)	7.16
Viscosity (ASTM D-445):	
cSt @ 40° C	14.17
cSt @ 100° C	4.98
Viscosity Index	337
Brookfield Viscosity (D-2983):	
cPs @ -40° C	700
Pour Point (ASTM D-97), °F (°C)	-85 (-65)
Flash Point (ASTM D-92), °F (°C)	205 (96)
Colour (Visual)	Red
Dielectric Strength, KV (ASTM D-887)	45*
Approximate operating range, °F	-50 to 115

\*Dielectric strength is at the point of manufacture. To maintain dielectric strength avoid exposure to moisture and dirt.

### **PACKAGE SIZES**

Available in 1211 L totes, 208 L Drums, 20 L Pails.

### **CONTACT**

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