



LUBRICANTS



Product Data Sheet

FR Fluid G-200

Fire Resistant Hydraulic Fluid

Premium water-glycol fire resistant fluid designed to provide optimum performance in hydraulic systems where fire resistant fluids are required such as those found in die-cast plants, steel mills, mining and foundries. It has been formulated using leading-edge additive technology that provides excellent service over a wide range of operating temperatures providing outstanding lubricity and anti-wear protection.

Features and Benefits

- **Factory Mutual Approved**
- Morpholine free formulation
- Outstanding fire resistance performance
- Excellent shear stability and anti-wear protection
- Compatibility with other quality FR water-glycol fluids
- High viscosity index, low pour point, excellent heat transfer and antifoam performance



Applications

- Vane, gear, and piston type pumps
- No secondary amines such as morpholine
- Sump temperatures < 150°F
- Hot strip mills
- Operating pressures up to 2500 psi
- Meets environmental, health, and safety standards
- Die casting equipment
- Hot metal presses

Typical Properties

ISO Viscosity Grade	Test Method	46
Product Code		334348
Color	Visual	Red
Viscosity, cSt @ 40°C	ASTM D-445	41.0
Viscosity, SUS @ 100°F	ASTM D-2161	200
Viscosity Index	Calculated	185
Specific Gravity	ASTM D-1298	1.085
Density, lb/gal	Calculated	9.07
Pour Point	ASTM D-97	-47°C (-53°F)
Reserve Alkalinity, to pH 5.5	ASTM D-1121	20.5
pH	ASTM D-70	9.5
Vickers Vane Pump Test, Mg weight loss of ring and vanes	ASTM D-7043	10 – 15

These properties are typical of current production, minor variations are to be expected in normal manufacturing.

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