

Water/Glycol Fire Resistant Fluid

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AMALIE Water/Glycol Fire Resistant Fluid is a fully formulated water/glycol hydraulic fluid containing additives to prevent ferrous and non-ferrous metal corrosion. It provides vapor phase corrosion protection and reserve alkalinity. In addition to its excellent fire-resistant properties, this fluid contains additive chemistry which imparts anti-wear properties, lubricity, corrosion protection, and foam inhibition exceeding the demands of hydraulic systems. It is designed to operate at system pressures in the 14 - 28 MPa (2,000 - 4,000 psi) range, depending on pump type (i.e., vane vs. piston).

Benefits

- Excellent Corrosion Protection
- Superior Heat Transfer Characteristics
- Will Not Separate Under Proper Storage Conditions
- Very Good Seal Compatibility

Typical Properties

Viscosity @ -20 °C, ASTM D445, cSt.	1218
Viscosity @ 0 °C, ASTM D445, cSt.	287.1
Viscosity @ 20 °C, ASTM D445, cSt.	100.7
Viscosity @ 40 °C, ASTM D445, cSt.	41.4 - 50.6
Viscosity @ 60 °C, ASTM D445, cSt.	24.45
Viscosity @ 80 °C, ASTM D445, cSt.	14.71
Viscosity @ 100 °C, ASTM D445, cSt.	9.689
Viscosity Index, ASTM D2270	204
Pour Point, ASTM D97, °C	-47
Specific Gravity @ 16°C, ASTM D1298	1.06 - 1.10
pH - neat, ASTM E70	9.5
Reserve Alkalinity, ASTM D1121, mL	19.0 -23.0
Rust Prevention (24h), ASTM D665A	Pass
Four-Ball Wear, ASTM D4172, mm	0.5
Total Wear, Ring & Vane, ASTM D7043	<50

Typical properties are listed. Variations may occur during the manufacturing process; however, they will not affect fluid performance.

Applications

AMALIE Water/Glycol Fire Resistant Fluid is suitable for use in most hydraulic applications and where the following are called for or referenced: Factory Mutual, U.S. Steel 171

Additional Information

Please use proper handling and care that you would use with any glycol-based fluid. Contact your Sales Representative for SDS.