

AMALIE®

Better than it has to be®
Since 1903



WATER / GLYCOL FIRE RESISTANT

FLUID

BENEFITS:

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



MADE IN U.S.A.



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WATER / GLYCOL FIRE RESISTANT FLUID

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).

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 values are listed. Variations not affecting the performance of this fluid may occur during production; however, these variations will not fall outside of set specification parameters.

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.

Please consult AMALIE Technical Services or your local representative for a full listing of applications.

Technical Services: • (800) 368-1264 • techservices@amalie.com

Health and Safety

Safety Data Sheets (SDS) are available from your sales representative or at AMALIE.com.

WATER / GLYCOL FIRE RESISTANT

| VISCOSITY | PACK SIZE | PART # |
|-----------|----------------|--------------|
| | 55 Gallon Drum | 160-68173-05 |

The data presented herein are believed to be accurate; however, Amalie Oil Company shall not be liable for its content and makes no warranty with respect thereto.