



# Special Industrial Lubricants



Consult your Amalie District Manager for specific pack sizes and product availability.

## Water/Glycol Fire Resistant Fluid • Transformer Oils



**Amalie Water/Glycol Fire Resistant Fluid** is a fully formulated water/glycol hydraulic fluid which contains a special anti-wear package and other additives to prevent ferrous and non-ferrous metal corrosion. It will also provide vapor phase corrosion protection and reserve alkalinity. This is a premium water/glycol type of fire-resistant fluid designed to provide optimum performance in hydraulic systems. **Amalie Water/Glycol Fire Resistant Fluid** is formulated to provide excellent service over a wide range of operating conditions. In addition to its excellent fire-resistant properties, this fluid contains additive chemistry which imparts antiwear properties, lubricity, corrosion protection, form inhibition, and overall performance demanded by today's high-performance hydraulic systems. This achieved through a diethylene-glycol based water mixture. **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
- US Steel 171
- Vickers 104C Vane Pump Test, ASTM D 2882, result <50 mg total wear.
- Four Ball Wear, ASTM D 2266, < 0.7 mm.

**Amalie Transformer Oil** is an insulating oil of very high dielectric strength, suited for transformers in both large sub-stations and small pole mounted transformers. It is also suited for circuit breakers, switches and other oil immersed electrical equipment. **Amalie Transformer Oil** is suitable for applications where the following are called for or referenced:

- ASTM D 3487 type II (oxidation inhibited oils)
- Westinghouse PDS 55822AG
- Does not contain PCB's

**Amalie Form Oil** is a multipurpose mold release oil primarily used to ease the release of concrete mold materials. This oil contains special mold release agents to enhance the separation, release, and clean up of metal, wood, plastics or other types of forms. **Amalie Form Oil** is a low viscosity formulation which is colorless, odorless, and may be sprayed without dilution. The benefits include the following: excellent release characteristics from the poured material; reduces buildup on forms; is non-staining; and is easy to apply in all types of weather temperatures.

Some performance levels are limited by viscosity grades. Please consult the Amalie Performance Application Chart, the Amalie Inspection Data Table for the appropriate Amalie product or contact your Amalie District Manager for more complete information and recommendations.

**TYPICAL INSPECTION DATA –**

	<b>SUS</b>	<b>Specific Gravity</b>	<b>Fire Resistance</b>	<b>Viscosity cSt@40C</b>	<b>Pour Point, C.</b>
Water/Glycol Fire Resistant Hydraulic Fluid	200	1.08	Pass	46	-30

**TYPICAL INSPECTION DATA –**

	<b>API Gravity</b>	<b>Viscosity cSt @40C</b>	<b>Dielectric Strength, KV</b>	<b>Neutralization Number, D-974</b>	<b>Flash Point, °C.</b>	<b>Pour Point, °C.</b>
Transformer Oil	29.6	8.9	35,000	0.01	150	-12

**TYPICAL INSPECTION DATA –**

	<b>ISO grade</b>	<b>API Gravity</b>	<b>Flash Point C.</b>	<b>Viscosity cSt@40C</b>	<b>Pour Point, C.</b>
Form Oil	15	34.0	190	15	-12