

UNITED FIRE-RESISTANT HYDRAULIC OIL GFR

Product Description

Fire-Resistant Hydraulic Oil with a water-glycol base and features an advanced, environmentally friendly, low-toxicity formulation designed for long service life. It delivers superior wear protection and offers a high level of fire resistance to safeguard both equipment and personnel. Its low pour point also makes it well-suited for use in extremely cold operating conditions.

This product passes toxicological requirements and has lower combustion efficiency compared to mineral oils. Its low spray flammability and high critical heat flux for ignition make it a safe choice for applications where significant fire risks are present.

Applications / Benefits

- * Fire-resistant
- * Environment friendly with low toxicity
- * Suitable for industrial use, including construction, marine, and mining applications
- * Resists foaming and aeration that can cause unstable operation and increased oxidation

Typical Characteristics

Test Description	Method	Unit	ISO 22	ISO 32	ISO 38	ISO 46
ISO Viscosity Grade	-	-				
Density @ 15 °C	ASTM D 4052	kg/L	1.07	1.07	1.07	1.07
Pour Point	ASTM D 97	°C	-42	-39	-39	-39
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	21.9	31.5	38.5	46.0
pH	-	-	>8.5	>8.5	>8.5	>8.5
Appearance	-	-	Red	Red	Red	Red

Typical Characteristics

Test Description	Method	Unit	ISO 68	ISO 100
ISO Viscosity Grade	-	-		
Density @ 15 °C	ASTM D 4052	kg/L	1.07	1.07
Pour Point	ASTM D 97	°C	-36	-36
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	67.1	99.3
pH	-	-	>8.5	>8.5
Appearance	-	-	Red	Red

Reference No.
9544G0FIRERESISREVO

Last revised date:
17-Nov-2025