PURAMAX Fire Resistant Hydraulic Fluids

PURAMAX Fire Resistant Hydraulic Fluids are premium water-glycol fire resistant fluids effective over a wide range of operating temperatures. They provide outstanding lubricity and anti-wear protection. While delivering high temperature protection, they also possess excellent low temperature fluidity.

PURAMAX FRH fluid is formulated with diethylene glycol and designed to provide optimum performance in hydraulic systems where fire resistant fluids are required. ***PURAMAX Fire Resistant Hydraulic Fluids*** *can be used in most types of hydraulic equipment found in mining, steel mills, die-casting and transmission plants. The water content is adequate to prevent ignition that could occur in hydraulic systems operation under pressure though sudden line ruptures or fluid contact with a high temperature source.*

APPLICATIONS

PURAMAX FRH Fluids are chemically engineered to meet the rigors of:

- *High temperature environments demanding a high level of fire protection*
- *Die-casting & forging*
- *Steel & aluminum mills*
- *Off shore oil rigs*
- *Mining*
- *Food preparation equipment*

FEATURES AND BENEFITS

- *Outstanding fire-resistant properties, providing a safer working environment*
- *Minimum pump and valve wear*
- *High viscosity index for a wide range of applications*
- *Excellent hear transfer and anti-foam performance*
- *Extends pump life in operating systems and provides lubricity, corrosion protection, and anti-wear properties*
- ***PURAMAX Fire Resistant Hydraulic Fluids*** *contains no nitrites or nitrosamines*

RECOMMENDED PERFORMANCE SPECIFICATIONS

PURAMAX Fire Resistant Hydraulic Fluids *meet the following specifications:*

- *US Steel Requirement #171*
- *Factory Mutual Approved (FRH 200 & ISO 46)*

PURAMAX Fire Resistant Hydraulic Fluids
Typical Characteristics

	200	300	ISO 46
Viscosity cSt @ 40 ℃	41.2	63.6	46.8
Specific Gravity @ 60 ℉	1.059	1.056	1.070
Density (lbs./gal.)	8.83	8.81	8.92
Flash Point, COC, ℃ (℉)	NONE	NONE	NONE
Pour Point, ℃ (℉)	-47 (-53)	-39 (-38)	-30 (-22)
Color	Red	Red	Red
Appearance	Clear & Bright with Slight Haze		Clear & Bright
pH	9.5	9.5	9.5
Reserved Alk., mL0.1N HCl per 50g	70.0	70.0	65.0

Minor variations in test data are to be expected in normal manufacturing