

FR HYDRAULIC OIL FIRE RESISTANT HYDRAULIC OIL

Whitmore's FR Hydraulic Oil is formulated to meet guidelines for Factory Mutual (FM) 6930. Factory Mutual approved oils are designed for enhanced safety where potential fire hazards may exist.

The formulation is based on polyol ester synthetic fluid. This type of oil is exceptionally robust. Reinforcing this outstanding lubricity, selected additives enhance wear protection. Extended pump and component service will result in reduced downtime and maintenance costs.

Whitmore FR Hydraulic Oil is biodegradable.

BENEFITS:

- SEAL COMPATIBILITY – reduces leaks
- LOW MAINTENANCE – when compared to water-glycol type
- READILY BIODEGRADABLE – non-toxic and 90% bio-based
- ANTIWEAR PROTECTION - extends equipment life and minimizes downtime
- FACTORY MUTUAL – meets guidelines for FM 6930.

APPLICATIONS:

Whitmore FR Hydraulic Oil is available in ISO 46 and ISO 68 viscosity grades. It is recommended for most types of hydraulic equipment found in mining, steel mills, die casting, and power transmission plants.

ASTM #		TYPICAL CHARACTERISTICS	
	ISO Grade	46	68
D-445	Kinematic Viscosity		
	cSt @ 40°C	46	68
	cSt @ 100°C	10	13
D-2270	Viscosity Index	200	185
D-97	Pour Point, °F (°C)	<-22 (-30)	<-22 (-30)
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	7.68	7.76
	Specific Gravity, g/cc @ 60°F (15.5°C)	0.92	
D-92	Flash Point, °F (°C) Cleveland Open Cup	>572 (300)	>572 (300)
D-92	Fire Point, °F (°C) Cleveland Open Cup	>680 (360)	>680 (360)
	Acid Value, mg KOH/g	<1	<1

The above are average values. A single test result may vary slightly without affecting performance.

PACKAGING

Drums	Pails
-------	-------

For warranty information, scan the QR code.

