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TECHNICAL DATA SHEET

Fire Resistant Hydraulic Fluid 59D

Overview: Interlube Fire Resistant Hydraulic Fluid 59D is a synthetic hydraulic fluid, Polyol Ester, designed for applications that require a hydraulic fluid with greater fire resistance than that offered by conventional mineral oils. It has much higher flash and fire points than conventional mineral oils and most synthetic materials.

This product is especially designed for heavy duty industrial applications operating at high pressures and over wide temperature ranges. It has outstanding thermal properties as well as superior anti-wear and rust & oxidation resistance. The synthetic basestock used also imparts a naturally high viscosity index, nearly twice that of the best mineral oils. It is compatible with most common elastomers, but contact our Technical Services for specific questions.

Operational Benefits: These products offer these competitive advantages to enhance your reliability:

- Superior fire resistance • Extremely high Flash/ Fire Point • Outstanding thermal properties • Excellent oxidation stability • Low volatility • Very high Viscosity Index • Strong Anti-Wear and Extreme Pressure performance • Completely shear stable • Wide operating temperature range • Environmentally safe • Meets requirements of FM 6830 • Biodegradable formulation • Meets USA H-1

Application: Hydraulic systems in severe duty environments

Typical Industries: This product is commonly used (but not exclusively) in the following industries:

- Food production • Pharmaceutical production • Packaging • Pet food production • Meat processing • Dairy • Snack and candy production • Basic Metals • Chemical manufacturing

International Manufacturer & Distributor of the World's Finest Lubricants & Cleaning Compounds





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Technical Properties

Specification	Method	Typical Results
Appearance	ASTM E-2680-16	Clear Amber
Specific Gravity	ASTM D-1298	0.92
Density, lbs/ gal	ASTM D-4052	7.70
Viscosity		
ISO Viscosity Grade	-	46
cSt @ 40°C	ASTM D-445	48
cSt @ 100°C		11
SUS @ 100°F		230
SUS @ 210°F		57
Viscosity Index	ASTM D-2270	185
Flash Point (°F)	ASTM D 93	>500
Pour Point (°F)	ASTM D 97	-25

The values shown are typical of current production. All of them may vary within tolerable ranges.