

Cosmolubric HF-122

Polyol Ester Based Fire Resistant Hydraulic Fluid

DESCRIPTION

Cosmolubric HF-122 is a Factory Mutual approved high quality synthetic polyol ester hydraulic fluid. Chemically and thermally stable, Cosmolubric HF-122 was designed for long life and dependable performance in areas where a less flammable hydraulic fluid should be used.

Besides having good thermal stability, Cosmolubric HF-122 exhibits a good temperature/viscosity relationship or Viscosity Index. Cosmolubric HF-122 also contains an additive package, formulated in our laboratory and proven in the field, to give the best possible performance, corrosion protection, metal passivation, hydrolytic stability and oxidation inhibition.

DATA (TYPICAL VALUES)

Appearance	Clear amber, mobile fluid
ISO Viscosity Grade	46
Viscosity, SUS	
@ 0°F	4290
@ 32°F	1260
@ 100°F	220
@ 210°F	60
Viscosity Index	>200
Total Acid Number, mg KOH/g	2.0
Specific Gravity, 60/60°F	0.91
Pounds per Gallon, 60°F	7.6
Flash Point	>580°F (>305°C)
Fire Point	>660°F (>350°C)
Pour Point	-18°F (-28°C)
Rust Test (ASTM D-665A)	Pass
Copper Strip Tarnish Test (ASTM D-130) Condition of panel	1b

Date | version
Code

FEATURES/ BENEFITS

- Factory Mutual Approved as a fire resistant hydraulic fluid that protects personnel and property from accidental fire and may lower insurance premiums
- High viscosity index allows the fluid to be used at a wide temperature range
- Fluid is a GREEN product that is composed of renewable resources
- Contains additives to enhance oxidation stability that will extend service life
- Provides excellent lubrication characteristics which extends pump and component life
- Hydrolytically stable to resist degradation when water contamination is present

PUMP TEST

ASTM D-2882 procedure Vickers V-104-C pump

TEST CONDITIONS

Test Period, hour	100
Discharge Pressure, psi	2000
Fluid Temperature, °F	150
Pump Speed, rpm	1200
Output Volume, GPM	7.5

TEST RESULTS

Total wear on ring and vane set, mg	<15
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HEALTH AND SAFETY

Refer to MSDS for proper handling and disposal. Please note that the MSDS includes handling, health and disposal information which should be passed on to your employees, and to anyone else who comes in contact with our product. Additional advice can also be obtained from your local Houghton representative.

NOTE: Read and understand all precautions on container labels before using this product.



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