

PRODUCT DATA

COSMOLUBRIC® HF-144

Cosmolubric HF-144 is a Factory Mutual approved high quality synthetic polyol ester hydraulic fluid. Chemically and thermally stable, **Cosmolubric HF-144** 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-144** exhibits a good temperature/viscosity relationship or Viscosity Index. **Cosmolubric HF-144** 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.

TYPICAL PHYSICAL PROPERTIES

Appearance	Clear Amber, Mobile Fluid
ISO Viscosity Grade	100
Viscosity, SUS	
@ 0°F	13990
@ 32°F	3460
@ 100°F	450
@ 210°F	78
Viscosity Index	>175
Total Acid Number, mg KOH/g	2.0
Specific Gravity, 60/60°F	0.93
Pounds per Gallon, 60°F	7.6
Flash Point	500°F (260°C)
Fire Point	650°F (345°C)
Pour Point	-22°F (-30°C)
Rust Test (ASTM D-665A)	Pass
Copper Strip Tarnish Test	
(ASTM D-130) Condition of panel	1b



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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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SHIPPING INFORMATION

Cosmolubric HF-144 is shipped in 55 (U.S.) gallon (208 liter) drums and in bulk.

STORAGE/HANDLING/DISPOSABILITY

No health or safety hazards exist when **Cosmolubric HF-144** is stored, used and disposed of in accordance with instructions given on the Material Safety Data Sheet for this product.

WARRANTY

The information given here is considered to be correct and is offered for your consideration, investigation and verification. No warranties are expressed or implied, since the use of our products is beyond our control. Statements concerning the use of Houghton products are not to be construed as recommending the infringement of any patent.

EXPORT STATEMENT

This commodity and its technology are subject to the export control laws and regulations of the United States Government. Buyer agrees that it shall not make any disposition, by way of export, diversion, transshipment, re-export or otherwise, except as expressly permitted under United States law.