



Renewable Lubricants, Inc.

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Bio-SynXtra HFC Refrigeration Compressor Lubricant (ISO 68)



Bio-SynXtra HFC Refrigeration Compressor Lubricant is a formulated ISO 68 grade synthetic polyol ester refrigeration lubricant specifically designed to be compatible and provide top tier performance with systems using ozone-friendly, chlorine-free HFC refrigerants. Bio-SynXtra HFC provides exceptional high temperature stability, wear protection, and longer service life in refrigeration and air conditioning systems that require HFC (hydrofluorocarbon) refrigerants R-134a, R-404A, R-407C and R-410A and with R-22 retrofit blends such as R-417A, R-422A, R-422D, and R-427.

Bio-SynXtra HFC is highly recommended for newer generation energy efficient and environmentally friendly refrigerants technologies, including R-32, CO₂, HCs, HFOs and their blends. It provided excellent low temperature fluidity, no waxy deposits, improved evaporator efficiency, and can meet specific viscosity requirements of a wide range of equipment and applications.

Multi-Applications: Reciprocating, rotary, scroll, centrifugal/screw refrigeration compressors, and recommended for carbon dioxide applications with appropriate miscibility for proper oil return to compressor (typically piston type applications). In addition, the product is compatible and recommended for CFC (chlorofluorocarbon) and HCFC (hydrochlorofluorocarbon) refrigerants.

➤ Compatible with HCFC, CFC, & HFC refrigerants		
TYPICAL SPECIFICATION	ISO 68	METHOD
Appearance	Clear and Bright Liquid	Visual
Kinematic Viscosity @ 100 °C, cSt	8.76	ASTM D-445
@ 40 °C, cSt	66.5	ASTM D-445
Viscosity Index	104	ASTM D-2270
Total Acid Number, mg KOH/g	0.02	ASTM D-974 mod
Pour Point, °C	-40	ASTM D-92
Flash Point, °C	260	ASTM D-5950
Specific Gravity, 15.6 °C/15.6 °C	0.965	ASTM D-4052
Density @ 15.6 °C, lbs/gal	8.04	ASTM D-4052
Water, ppm	50 max	ASTM D-1533
Low Temperature Miscibility Limit (10 Vol % lubricant in refrigerant, °C)		Sealed Tube
R-134a	<-35	
R-404A	<-60	
R-407C	<-35	
R-410A	<-30	
RLI Product Item #	87820	

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Availability F.O.B.: Hartville, Ohio, USA

1 Gallon	Drum	Totes	Bulk
87823	87826	87827	87829