

XR 534-170

HFC Compressor Lubricant

Product Descriptions

XR 534-170 is a high performance HFC compressor lubricant based on synthetic polyol ester (POE). XR 534-170 is designed to provide excellent miscibility and oil return from the evaporator to the compressor. The product's high viscosity allows it to meet lubrication requirements of the compressor despite dilution of the lubricant by the compressed refrigerant.

Applications*

- Reciprocating compressors
- Scroll compressors
- Rotary compressors
- Screw compressors
- Centrifugal compressors
- All HFC applications (including R-134a, R-404A, R-407C, R-410A, R-507)

**To assure proper lubricant selection, please consult your Xaerus Performance Fluids representative.*

Packaging

- 1 US Quarts
- 5 US Gallon
- 55 US Gallon
- 275 US Gallon

Product Features

- Miscibility with HFC Refrigerants
- High viscosity index and low pour point
- Excellent thermal and oxidative stability
- Very low volatility

Potential Benefits

- Maximum bearing life
- Minimal solid formation
- Better oil flow and less wear at start up
- Maximum bearing, cooler and equipment life
- Longer oil life
- Longer filter life
- Minimize maintenance costs
- Better evaporator efficiency
- Excellent return from the evaporator

Physical Properties

Criteria	Value	Method
Viscosity cSt @ 40° C	167.8	ASTM D-445
Viscosity cSt @ 100° C	15.3	ASTM D-445
Viscosity Index	91	ASTM D2270
Moisture, ppm	<50	ASTM D-1744
Specific Gravity @ 60°F/15.6° C	0.969	ASTM D-4052
Density, lb/gal	8.08	ASTM D-4052
Flash Point, °F/°C	534/279	ASTM D-92
Fire Point, °F/°C	600/316	ASTM D-92
Pour Point, °F/°C	-24/-31	ASTM D-97
Acid Value, mg KOH/gm	< 0.1 Max	ASTM D-974 (modified)
Low Temperature Miscibility Limit Sealed Tube (10% Volume Lubricant in Refrigerant)		
R-134a (°F/°C)	<-4/<-20	
R-404A	<-58/<-50	
R-410A	0/-18	

Notice: Physical Properties are typical of those obtained with normal production tolerances and do not constitute specifications.

Health and Safety

Based on available information, XR 534-170 is a non-toxic, non-hazardous product that is not expected to cause any adverse health effects when used as designed. Users are advised to follow the recommendations provided in the SDS.

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