

## **ArChine Refritech FPR 220**

Food Grade Polyalphaolefin refrigeration lubricant

### **Product Description**

ArChine Refritech FPR 220 is a high quality food grade synthetic polyalphaolefin (PAO) refrigeration lubricant. It is specially formulated for severe service under conditions that are beyond the capabilities of conventional mineral oils. In addition, ArChine Refritech FPR 220 improves the performance and efficiency of standard refrigeration systems to conventional mineral oils, and compatibility with mineral oils and equipment designed for use with mineral oils.

ArChine Refritech FPR 220 has very low pour point, zero wax content, a high natural viscosity index and high thermal stability. It also offers high chemical stability, a low volatility and a high film strength. Due to these properties, ArChine Refritech FPR 220 provides a long service life.

USDA/NSF has approved ArChine Refritech FPR 220 under their H-1 specification for incidental contact with food. The oil complies with FDA guidelines for food contact listed in CFR Title 21 Part 178, Section 178.3570.

### **Features**

- Excellent coolant properties
- Carbon and varnish control to help reduce deposits
- Good anti-wear properties and corrosion protection
- Controls rust for enhanced component protection
- Extended oil change intervals, reducing servicing costs to a minimum
- Increased oxidation protection and superior thermal stability

### **Application**

ArChine Refritech FPR 220 is recommended for flooded screw compressors which are operated with ammonia(R717) or CO<sub>2</sub>(R744) in food industry. This product can also be used with natural hydrocarbon refrigerants like propane(R290), propylene(R1270) or butane(R600).

### **Distributor Wanted**

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**Typical Properties\***

<b>ArChine Refritech FPR 220</b>	<b>Standard Specification</b>
Appearance	Light yellow transparent liquid
Density@20°C, g/cm <sup>3</sup>	0.851
Viscosity@40°C, mm <sup>2</sup> /s	221.6
Viscosity@100°C, mm <sup>2</sup> /s	25.19
Viscosity Index	144
Flash Point (open cup, °C)	252
Fire Point, °C	272
Pour Point, °C	-42
Foaming 24°C	20/0
Copper corrosion, 100°C/3hr,grade	1

\*Typical data shall not be used as product specifications.

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