



RPOE-100R

POE Refrigeration Compressor Lubricant

RPOE-100R is a POE refrigeration lubricant specially formulated to lower energy consumption in HFC refrigeration compressors. This advanced lubricant provides superior protection, thermal stability, and an enhanced antioxidant package for extended service life. RPOE-100R's lower viscosity and high viscosity index delivers improved low-temperature fluidity and reduced compressor energy consumption when compared to traditional ISO 68 POE lubricants, all without sacrificing lubrication or protection.

RPOE-100R utilizes a proprietary combination of advanced friction modifiers and anti-wear additives that bond to metal surfaces inside the compressor. This combination creates an extra layer of protection that dramatically reduces friction and wear. This results in increased compressor efficiency, energy savings, and extended compressor life.

ATTRIBUTES

- Enhanced oxidative stability
- Excellent solubility in HFC and blended refrigerants
- High viscosity index for better compressor protection at high and low temperatures
- Controls rust for enhanced component protection
- High flash and auto-ignition for added safety

TYPICAL LUBRICANT PROPERTIES

RPOE-100R Grades	68R	120R	170R	220R
Replaces ISO Grade	ISO 68	ISO 120	ISO 170	ISO 220
Replaces SUS Grade	300 SUS	550 SUS	800 SUS	1000 SUS
Viscosity Index	195	172	173	181
Viscosity cSt @ -20°C	1,335	5,128	8,918	13,186
Viscosity cSt @ 0°C	328	1,074	1,724	2,314
Viscosity cSt @ 40°C	50	86.2	114	120
Viscosity cSt @ 100°C	9.5	14.3	17.8	19.2
Flash Point °F (°C)	572 (300)	578(303)	582(305)	585(307)
Pour Point °F (°C)	-44 (-42)	-48(-44)	-40(-40)	-30(-34)
Copper Corrosion, 24 Hr	1a	1a	1a	1a