

PETRONAS SYN RA SERIES

Synthetic Refrigeration Compressor Lubricants

PRESSOL SYN RA SERIES Synthetic Refrigeration Compressor Lubricants are formulated from the highest quality alkylate hydrocarbon base stocks. They are recommended for all types of refrigeration compressors - including reciprocating, centrifugal and rotary types using fluorocarbon or ammonia refrigerants. They are recommended for service where evaporator temperatures may be lower than -50°F (-45°C) and where improved performance and reliability is desirable.

Applications

- All refrigeration compressor types including reciprocating, centrifugal and rotary, using fluorocarbon refrigerants such as R12[®], R22[®], R114[®], R502[®] as well as ammonia, in both Industrial and Marine applications.
- Compatible with conventional mineral oils and materials of construction including Mylar[®], Polypropylene, Viton[®], Buna-N, Neoprene[®], and Nylon[®] elastomer.

Packaging

- 18 Liters pails and 180 Liters drums

Customer Benefits

- Improved compressor efficiency
- Excellent high temperature stability
- Superior solubility characteristics with refrigerants
- Excellent compatibility with materials of construction
- Outstanding low temperature properties
- Improved wear protection at elevated temperatures
- No deposit formation in low temperature systems
- Eliminates degradation and sludge formation associated with conventional mineral oils
- Extended service life and longer drain intervals
- High degree of chemical stability
- Prevents fouling of heat transfer surfaces and plugging of evaporators and expansion valves

Typical Properties

Characteristics	Grade			
	32	46	68	100
Spec. Gravity @ 60°F (min.)	0.86	0.86	0.86	0.86
Viscosity, cSt				
@40°C	28	42	53	92
@100°C	4.1	4.8	5.6	8.1
Flash Point (min.), °C	150	165	165	170
Floc Point(max.), °C	-65	-55	-55	-55
Pour Point (max.), °C	-45	-35	-35	-30
Water (max.), ppm	30	30	30	30
Dielectric Strength (min.), kV	30	30	30	30
Shell 4-Ball Wear, mm ²	0.5	0.4	0.4	0.4
Falex Wear Test, pin wear, mg	23	19	15	15
Color (max.) D-1500	1.0	1.0	1.0	2.0
Total Acid No., mg KOH/g	NIL	NIL	NIL	NIL

Customer Advice

For further assistance on product MSDS, recommendation or technical queries, please liaise with the regional technical services engineer or contact HO technical engineers.