TECHNICAL DATA SHEET

SYNTH RFC OIL (Synthetic Refrigeration Compressor Oil)

DESCRIPTION

SYNTH RFC OIL is todays ozone-friendly chlorine-free fully synthetic lubricants developed specifically for Refrigeration compressors using HFC-134a as refrigerant. They are specially formulated fully synthetic polyol ester (POE) base oils and a unique additive system to provide outstanding lubricity, wear protection, chemical and thermal stability, and hydrolytic stability for severe service conditions that are beyond the capacities of conventional mineral oils, they improve the performance and efficiency of standard refrigeration systems compared to conventional oils. Polyol Ester [POE] base lubricants have miscibility with HFC, refrigerants such as HFC-134a, similar to that of mineral oils with CFC's. SYF 1770 lubricant is designed for refrigeration systems with very high reciprocating compressor temperatures. They are also suitable for very low evaporator temperatures and for screw compressor system using refrigerants such as HFC 134A, R407A, R-407C, R-410A, R-404A, DANFOSE POE 160 SZ Compressors etc.

APPLICATIONS

- **SYNTH RFC OIL series oils are hygroscopic and care must be taken to avoid moisture absorption during handling. Packages should be tightly closed when not in use, and small packaging preferred. Product should not be transferred to plastic containers that may allow moisture ingress.**
- **SYNTH RFC OIL series are recommended for refrigeration systems where HFC, HFO and HFO/FHC blends refrigerants are used. The application range is wide from Domestic/Tertiary applications (Heating, Ventilation, Air Conditioning HVAC) to commercial applications (food conservation, transportation) and industrial applications (food processing, freezing).**
- **SYNTH RFC OIL series must not be used in ammonia systems (NH3 / R-717).**

FEATURES & BENEFITS

- **Excellent high temperature stability & it has an extremely low pour point of -45°C.**
- **It has good compatibility with materials used in refrigeration systems for increased pump reliability and efficiency. Well defined miscibility and P-V-T relationships with HFC refrigerants**
- **It exhibits high thermal stability with low volatility for a long service life, very good anti-wear properties**
- **High Viscosity Index and wax-free & it has extremely low waxing when operating at extreme low temperatures whilst proving to be highly resistant to carbonization at the high temperature end,**
- **It can be recirculated offering major cost savings over conventional oils that are used as total loss.**

PROPERTIES

ISO GRADE	12	22	32	46	68	100	150	220
Appearance	C & B	C & B	C & B	C & B	C & B	C & B	C & B	C & B
Density, at 15°C	0.989	0.989	0.989	0.989	0.989	0.989	0.989	0.989
Viscosity 40°C Cst	14	23.5	31.6	46.2	65	96	148	221
Viscosity 100°C Cst	3.4	6.2	11	11	12	15	20	26
Viscosity Index	131	126	126	126	126	126	126	126
Flash point	246	257	292	298	302	304	306	310
Pour point	-60	-57	-45	-41	-40	-40	-39	-39
Floc Point	-60	-60	-60	-55	-55	-55	-55	-55
Fire Point	274	293	310	310	312	314	317	323
TAN	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Rust Characteristics	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

POWERMAXX LUBE INDIA

Website: www.powermaxxlube.com Email: info.powermaxx918@gmail.com,info@powermaxxlube.com

Contact Number: 996748763, 7506973307