FPC REF PV SERIES

POE REFRIGERATION LUBRICANTS

APPLICATIONS:

FPC REF PV Series are synthetic lubricants based on high performance polyol ester (POE) technology. This series has been designed specifically for use in demanding refrigeration systems and is compatible with both HCFC and HFC refrigerants including R-134a. These lubricants are available in a range of ISO 22 to ISO 220.

TYPICAL INDUSTRIAL APPLICATIONS:

- Refrigeration Compressors
- Air Conditioning Compressors

PERFORMANCE BENEFITS:

- Compatible with hydrochlorofluorocarbon (HCFC) & hydrofluorocarbon (HFC) refrigerants
- Suitable for use with R-134a, R-407C,and R-410A
- Greater biodegradability than mineral oils and alkyl benzene based oils

TYPICAL PROPERTIES	TEST METHOD	FPC REF PV022	FPC REF PV032	FPC REF PV046	FPC REF PV068	FPC REF PV100
ISO Grade	ASTM D2422	22	32	46	68	100
Viscosity @ 40°C,cSt	ASTM D445	23.5	31.6	47.1	64.9	95.7
Viscosity @ 100°C,cSt	ASTM D445	4.7	5.6	7.0	8.3	10.6
Viscosity Index	ASTM D2270	120	115	105	96	93
Flash Point, °C/°F	ASTM D92	252/486	250/482	258/496	256/493	271/520
Pour Point, °C/°F	ASTM D97	-59/-74	-55/-67	-43/-45	-39/-38	-34/-29
Total Acid Number, mg KOH/g	ASTM D974	0.02	0.02	0.03	0.02	0.02
Moisture, ppm (low temp. miscibility, 10% oil, °C)	ASTM D1533	32	22	33	18	20
R-134a		<-50	<-50	<-50	<-35	<-35
R-407C		<-35	<-35	<-35	<-35	<-18
R-410A		<-40	<-45	<-40	<-30	<-15
Refractive Index @ 20°C	ASTM D1218	1.45	1.45	1.45	1.45	1.45
Density	ASTM D4052	8.35	8.21	8.14	8.07	8.07
Specific Gravity	ASTM D4052	1.00	0.99	0.97	0.97	0.97