



ENOC CRYOGEN PE

PRODUCT DESCRIPTION

ENOC Cryogen PE refrigeration oils are manufactured from high quality synthetic polyolester oils for use with HFC refrigerants. They have very low pour points and good miscibility with a range of HFC refrigerants to provide low Freon floc points. **Cryogen PE** oils have exceptionally good miscibility with these refrigerants and additionally can contribute towards prolonged compressor and seal life through the high thermal stability which controls the formation of carbon and gummy deposits at elevated temperatures.

APPLICATIONS

- ◆ Business/domestic and office air conditioning systems
- ◆ Reciprocating refrigeration compressors suitable to use Cryogen PE 22, 32, 46 and 68
- ◆ Rotary refrigeration compressors suitable to use Cryogen PE 68, 100, 150 and 220
- ◆ Compatible with a range of refrigerants R134a, R404A, R407C, R410A, R507
- ◆ Ultra Low temperature applications

Not suitable for systems containing CFC refrigerants ie. R 12, R22 etc.

OEM RECOMMENDATIONS

AERZEN, BOCK, CARRIER, GRASSO, GRAM, HOWDEN, J&E HALL, SABROE, SULZER, TECUMESH, YORK

Not recommended for use in compressors for air breathing equipment unless confirmed by the OEM.

BENEFITS

Cryogen PE provides:

- ◆ Reduced downtime by maintaining clean working surfaces
- ◆ Prevention of waxy and gummy deposits through high oil thermal stability
- ◆ Very low dilution with refrigerants for good lubrication
- ◆ Extended oil service life, excellent resistance to oxidation
- ◆ Ultra low pour and floc points and miscibility with refrigerants

Caution: Flush the system well if moving from mineral oil to synthetic Polyolester oil

Technical Data*						
ISO Grade	32	46	68	100	150	220
Density @ 20°C	0.981	0.971	0.9231	0.960	0.964	0.968
Viscosity mm ² /s @ 40°C	32	46	68	100	150	208
Viscosity mm ² /s @100°C	5.9	7.3	10.8	11.3	13.8	17.8
Flash Point, COC, °C	250	250	280	280	280	280
Pour Point, °C	-51	-45	-45	-30	-25	-21
Water Content KarlFisher ppm	<50	<50	<50	<50	<50	<50
Acid number ASTM D 974	0.18	0.18	0.18	0.10	0.10	0.18
Product Code	224019	244104	244105	244106	224017	224018

*The information prepared provides the typical properties that are considered as representative. Some variation which will not affect performance is possible

HEALTH AND SAFETY, ENVIRONMENT

The information on this product is available in the ENOC Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information we recommend you review the MSDS. Handled correctly there are no special precautions suggested.