

POLAR P68

PRODUCT DESCRIPTION

POLAR P68 refrigeration oil is manufactured from premium quality for use in industrial ammonia refrigeration system. Made of hydrotreated, low volatility, Parafinic base oils. Consequently it has very low pour point. It contains a special non-acidic rust inhibitor to resist ammonia soap formation. The low volatility and ammonia miscibility of **POLAR P68** oil minimizes oil carryover. The high thermal and oxidation stability minimizes the formation of carbon and gum, varnish and sludge deposits.

APPLICATIONS

- ◆ Industrial refrigeration plants.
- ◆ Reciprocating and rotary screw refrigeration compressors.
- ◆ Refrigeration systems using ammonia, carbon dioxide.
- ◆ Upgrade for ammonia refrigeration systems previously operating on naphthenic based oil.

Not suitable for systems containing HFC refrigerants ie. HFC 134a

RECOMMENDATIONS

BS 2626-1992

Carrier, PP46-1

Approved by GEA Refrigeration for use in Grasso industrial refrigeration compressors.

Not recommended for use in compressors for air breathing equipment.

BENEFITS

POLAR P68 provides:

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

Technical Data*	
ISO VG	68
Kinematic Viscosity @ 40°C, cSt	68
Kinematic Viscosity @ 100°C, cSt	9
Viscosity Index	100
Density @ 20°C, g/ml	0.88
Flash Point, COC, °C, min	266
Fire Point, °C	288
Pour Point, °C, max	-39
Product Code	244109

*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.