

SavSyn 4368

Synthetic Polyol Ester (POE) based lubricant for Refrigeration Compressor applications

DESCRIPTION:

SavSyn 4368 is a Synthetic Polyol Ester (POE) lubricant with an ISO VG 68 viscosity grade, formulated for demanding air-conditioning and refrigeration systems. Designed for **compatibility with HFC refrigerant gases such as R410A, R134a, R407C, R404A and R-32**, this lubricant provides robust lubrication and exceptional thermal stability. It is a Tailor-made product which ensures strong lubricating film, making it ideal for heavy-duty compressors operating under high loads or elevated temperatures. It offers outstanding anti-wear protection to metallic components, including steel and aluminium, significantly extending equipment lifespan and reducing maintenance costs. With excellent oxidative stability and a low pour point, it ensures reliable performance across a wide temperature range, making it suitable for large-scale industrial refrigeration and high-capacity air-conditioning systems.

APPLICATION:

SavSyn 4368 is recommended for a wide range of refrigeration and air-conditioning systems:

- Suitable for rotary, scroll, and reciprocating compressors, supporting a wide range of equipment designs.
- It supports supermarkets, beverage coolers, and walk-in freezers using HFC refrigerants in commercial refrigeration.
- Suitable for ducted and ductless systems ensuring efficient cooling in homes and small offices for residential air-conditioning.
- Ideal for large-scale cooling systems in manufacturing, chemical processing, and industrial chillers.
- Applicable in marine cooling systems where stable performance under fluctuating temperatures is essential.

ADVANTAGES:

SavSyn 4368 offer the following benefits.

- Protects critical compressor system components with superior anti-wear properties, reducing maintenance costs.
- Minimizes energy losses with balanced viscosity thereby enhancing system performance.
- Maintains lubrication integrity in extreme cold and warm environments.
- Miscible with all HFC refrigerants over a broad temperature range.
- Compatible with Polymers like Nylon 6, PEEK, PBT, PET, Neoprene, NBR and Viton.

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TECHNICAL SPECIFICATIONS

PROPERTIES	ASTM TEST METHODS	TYPICAL VALUE
Density @ 20°C, gm/cm ³	ASTM D1298/7052	0.980
Kinematic Viscosity @ 40°C, cSt	ASTM D445/4052	64.80
Kinematic Viscosity @ 100°C, cSt	ASTM D445/4052	8.60
Viscosity Index	ASTM D2270	104
Pour Point, °C	ASTM D97	-39
Flash Point, °C	ASTM D92	258
Acid Value, mg KOH/g	ASTM D974	<0.1
Water, ppm	ASTM D1533	20

The above details are typical results under normal production conditions and could vary depending upon external factors.

The information provided herein is subject to change without notification depending upon change in specifications of the products.

We make no warranties other than the specifications of the product, express or implied, and hereby disclaim all express or implied warranties, including warranty of any recommendations, merchantability and fitness of the product for a particular purpose.

We shall not be liable for any direct, indirect, incidental, punitive or consequential damages unless otherwise agreed by us in writing.

Storage:

Store the products indoors and avoid direct sunlight or heat. Please keep the container in closed condition always.

Environment, Health and Safety

- Do not dispose the used oil to soil, drains and water. Dispose the used oil through authorized collection point
- This product is unlikely to present any safety & health hazard when properly used in the recommended application.
- Avoid contact with skin and eyes. After skin contact, wash with water and soap.

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