

GUARDIAN



POE Lubricant



Refrigeration compressor lubrication demands the highest quality raw materials and formulation expertise to assure proper lubrication and lubricant life as required by OEMs. Parker Guardian is developed, tested and qualified as our lubricants meet or exceed the industry standards. You can be assured the Guardian POE will perform in any and all commercial systems and in all compressor types and brands. Special formulas can be developed to suit your needs.

Parker Guardian high performance HFC compressor lubricants are based on synthetic Polyol Ester (POE). The lubricants are designed to provide excellent miscibility and oil return from the evaporator to the compressor.

Characteristics:

- Excellent miscibility with HFC refrigerants.
- Superior performance in low temperature systems
- Better lubricity than comparable mineral oils. High dielectric strength allows oil/refrigerant mixture to serve as an insulator between the motor windings and the body in the compressor.
- No floc point (low temperature systems separation of residual waxes), as previously observed in mineral oils.

- Any refrigerant application in which a superior lubricant is desired or is required to meet OEM specifications.
- Refer to SDS sheet for further information. SDS sheets are available at your local wholesaler, online at www.parker.com/coolparts and by e-mailing SVDTechSupport@parker.com.

Purpose and Application:

The VPOE series is a highly engineered synthetic polyolester used in a variety of HVAC&R applications due to its broad spectrum of viscosities. It is precisely formulated to ensure excellent lubricity, wear, and anti-foaming characteristics.

Benefits:

- Precision manufacturing maintains precise viscosity for optimal lubrication
- Uniquely formulated to improve lubricity, reducing wear and protecting the bearing surfaces and other moving components within the compressor.
- Packaged in sealed metal containers for extended shelf life and moisture control.
- Containers from 1 quart to 55 gallon drum to suit the smallest jobs to the largest
- OEM tested and approved for peace of mind



Made in the USA



ENGINEERING YOUR SUCCESS.

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The table below provides a guide for Residential Air Conditioning as well as Industrial and Commercial Refrigeration and Air Conditioning.

Viscosity Grade	Rotary	Scroll	Centrifugal	Reciprocating	Screw
22		✓		✓	
32	✓	✓	✓	✓	
46	✓	✓	✓	✓	
68	✓	✓	✓	✓	
100					✓
170					✓
220					✓

Complementary products **Parker ETK Acid Test Kit** or the **Sporlan TA-1 Acid Test Kit** are suitable for use with the Parker Guardian Series. For more detailed analysis use the **OA-1 Test Kit** which provides complete analysis in 48 hours with recommendations for correcting out of specification parameters.

⚠ WARNING – USER RESPONSIBILITY

Failure or improper selection or improper use of the products described herein or related items can cause death, personal injury and property damage.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

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