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› Robinair 13119 Premium High Vacuum Pump Oil User Manual

Robinair 13119-CASE

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Model: 13119-CASE

INTRODUCTION

Robinair Premium High Vacuum Pump Oil is specifically formulated to deliver optimal performance in demanding vacuum applications. This oil is engineered to maintain maximum viscosity even at high operating temperatures and to facilitate easier cold weather starts. Its superior thermal stability ensures it resists breakdown from heat for extended periods, contributing to the longevity and efficiency of your vacuum pump.

The oil undergoes special packaging and handling procedures to minimize moisture content, which is crucial as moisture can degrade oil purity, reduce viscosity, and impair the pump's ability to achieve a deep vacuum. For best results and to ensure peak vacuum pump performance, it is recommended to change the vacuum pump oil after each evacuation process.



Image: A pack of twelve 1-pint bottles of Robinair Premium High Vacuum Pump Oil, showcasing the product packaging.

SAFETY INFORMATION

- **Storage:** Store oil in a cool, dry place, away from direct sunlight and extreme temperatures. Keep containers tightly sealed to prevent moisture absorption.
- **Handling:** Avoid prolonged skin contact. Use appropriate personal protective equipment (PPE) such as gloves and eye protection when handling oil.
- **Disposal:** Dispose of used vacuum pump oil according to local environmental regulations. Do not pour into drains or dispose of with household waste.
- **Flammability:** Keep away from open flames, sparks, and other ignition sources.
- **Ingestion:** Do not ingest. If swallowed, seek immediate medical attention.

SETUP AND PREPARATION

Before adding Robinair Premium High Vacuum Pump Oil to your system, ensure the vacuum pump is clean and free of

contaminants. It is crucial to use clean, dedicated containers and funnels to prevent the introduction of foreign particles or moisture into the oil or pump.

1. **Inspect the Oil:** Before opening, visually inspect the oil bottle for any signs of damage or tampering.
2. **Cleanliness:** Ensure the area around the vacuum pump's oil fill port is clean to prevent debris from entering the pump.
3. **Temperature:** For optimal flow, allow the oil to reach room temperature before use, especially if stored in a cold environment.



Image: A single bottle of Robinair Premium High Vacuum Pump Oil positioned next to a vacuum pump, illustrating its intended use.

OPERATING INSTRUCTIONS

This section outlines the general procedure for filling and operating a vacuum pump with Robinair Premium High Vacuum Pump Oil. Always refer to your specific vacuum pump's manual for detailed instructions and oil capacity.

1. **Drain Old Oil:** If replacing old oil, ensure the pump is warm (run for a few minutes) and then drain all existing oil

completely into an appropriate waste container.

- 2. **Refill Pump:** Locate the oil fill port on your vacuum pump. Slowly pour the Robinair Premium High Vacuum Pump Oil into the pump until the oil level reaches the indicator line (usually marked "FULL" or within a sight glass). Do not overfill.
- 3. **Run Pump:** After filling, run the vacuum pump for a few minutes to circulate the new oil and ensure proper lubrication.
- 4. **Check Level:** Re-check the oil level after running the pump. Add more oil if necessary to maintain the correct level.

Note: The frequency of oil changes depends on the application and usage. For best performance and to achieve the deepest vacuum, it is highly recommended to change the oil after each evacuation, especially in applications involving significant moisture or contaminants.

MAINTENANCE

Proper maintenance of your vacuum pump oil is critical for the longevity of your pump and the efficiency of your vacuum system.

- **Regular Oil Changes:** As mentioned, changing the oil frequently (ideally after each evacuation) is the most effective way to maintain pump performance and prevent damage from contaminated oil.
- **Monitor Oil Condition:** Regularly inspect the oil in the sight glass. If the oil appears cloudy, milky, or discolored, it indicates moisture contamination or degradation, and it should be changed immediately.
- **Proper Storage:** Always store unused oil in its original, tightly sealed container in a clean, dry environment to prevent contamination.

TROUBLESHOOTING

This section addresses common issues related to vacuum pump oil and offers potential solutions.

Problem	Possible Cause	Solution
Poor Vacuum Performance	Contaminated or degraded oil (e.g., moisture, particulates)	Change oil immediately. Ensure proper sealing of the pump and system.
Oil Appears Milky/Cloudy	Moisture contamination	Change oil. Ensure system is properly evacuated and free of moisture before starting pump.
Excessive Oil Consumption	Oil leaks, worn pump seals, or incorrect oil level	Check for leaks and repair. Inspect pump seals. Verify oil level is correct.
Pump Overheating	Insufficient oil, incorrect oil type, or internal pump issue	Check oil level and add if low. Ensure correct Robinair oil is used. If problem persists, consult a pump technician.

SPECIFICATIONS

Attribute	Detail
Brand	Robinair
Model Number	13119-CASE

Attribute	Detail
Package Information	Bottle
Liquid Volume (per bottle)	1 Pint (0.473 Liters)
Total Liquid Volume (12-Pack)	24 Pints (192.0 Fluid Ounces)
Item Weight (12-Pack)	12 Pounds
Viscosity	Engineered for wide operating temperature range
Item Form	Oil
Number of Items	12
Product Dimensions	10 x 10 x 8.5 inches (for 12-pack)
Made In	USA

WARRANTY INFORMATION

Specific warranty details for Robinair Premium High Vacuum Pump Oil are typically covered under the general product warranty terms provided by Robinair. For detailed information regarding product warranties, please refer to the official Robinair website or contact their customer support directly. Ensure you retain your proof of purchase for any warranty claims.

CUSTOMER SUPPORT

For technical assistance, product inquiries, or support, please contact Robinair customer service. You can find contact information, including phone numbers and email addresses, on the official Robinair website. When contacting support, please have your product model number (13119-CASE) and purchase details readily available.

Official Website: www.robinair.com

