



Product Name: Vacuum Pump Oil

Application: Vacuum pumps

Quality: Mineral

Recommended For: vacuum pumps where it will tolerate exposure to very high vacuums with low levels of evaporation.

Product Overview

Vacuum Pump Oil is a **high-quality lubricant** specifically designed for vacuum pump applications. It provides **long-lasting performance**, **resists oxidation**, and prevents **water contamination**, ensuring **optimal pump efficiency** and **extended service intervals**.

Application

- **Industrial & Scientific Vacuum Pumps** – Rotary vane, piston, and diffusion pumps.
- **HVAC & Refrigeration Systems** – Moisture-resistant performance for vacuum-sealed systems.
- **Pharmaceutical & Food Processing** – Ensures contamination-free vacuum operation.
- **Precision Manufacturing & Electronics** – Provides reliable vacuum in sensitive applications.

Performance Benefits

- **Low Volatility & High Vacuum Tolerance:** Ensures minimal oil loss and prevents performance degradation in high-vacuum environments.
- **Superior Oxidation Stability:** Prevents sludge and deposit formation, maintaining pump cleanliness.
- **Excellent Demulsibility:** Quickly separates from water, reducing the risk of emulsification and corrosion.
- **Outstanding Air Release Properties:** Enhances vacuum pump efficiency by preventing air entrapment.
- **Exceptional Wear Protection** – Reduces friction and wear under extreme operating conditions, extending equipment life

Typical Properties

Property	Method	Unit
Viscosity @ 40°C	ASTM D445	64.0 mm ² /s
Viscosity @ 100°C	ASTM D445	8.5 mm ² /s
Viscosity Index	ASTM D2270	101
Flash Point	ASTM D92	240°C (464°F)
Pour Point	ASTM D97	-15°C (5°F)
Color	Visual	Pale Yellow

Health, Safety, and Environmental Guidelines:

Petrovoll Vacuum Pump Oil poses **no significant health risks** when used and handled properly. Follow **standard safety practices** and refer to the **Material Safety Data Sheet (MSDS)** for proper handling, storage, and disposal guidelines.

