



# Super S® Rotary Screw and Vacuum Pump Oil

**Super S® Rotary Screw & Vacuum Pump Oil** is formulated from a blend of premium performance, highly refined mineral and stable synthetic basestocks. **Super S® Pump Oils** are formulated with premium base oil technology and a high level of purity and refinement, and has been further enhanced by their unique additive systems that provide outstanding thermal and oxidation stability, high viscosity index, high flash point, low pour point, anti-wear protection, and excellent hydrolytic stability.

**Super S® Rotary Screw & Vacuum Pump Oil** makes maximum compression in rotary and sliding vane pumps and is suitable for both high and low pressure vacuum systems. The low vapor pressure base oils have a narrow boiling range enabling the pump to operate efficiently over an extended maintenance period. Superior demulsibility, low volatility, and non-toxic characteristics make it suitable for use in the harshest conditions such as those found in agriculture and dairy farming and industrial production facilities.

The unique additive technology found in **Super S® Pump Oils** also protect against the formation of oxidation byproducts and acidic materials which will eventually cause deposits, varnish, rust, oxidation, and foaming. Excellent demulsibility performance and help minimize entrained air, which could otherwise result in reduced lubricant film thickness and potentially lead to pump cavitation.

## FEATURES/ BENEFITS

- **Outstanding wear and corrosion protection-** special friction modifiers provide effective protection of internal metal surfaces from corrosion and wear.
- **Long lubricant life in high temperature operations -** outstanding thermal and oxidation stability
- **Superior corrosion protection-** protects pumps from the corrosive effects of air, moisture, and common solvents
- **Minimum Oil Consumption -** low volatility means less oil goes down stream, and less oil is needed for makeup

## APPLICATIONS

**Super S® Rotary Screw & Vacuum Pump Oil** is formulated to provide outstanding lubricating qualities for air compressors, especially portable and stationary rotary, vane, and screw compressors. Super S® Vacuum Pump Oil are generally designed for applications with wider temperature operating ranges as compared to non-synthetic oils. Proven performance in rotary screw air compressors manufactured by major OEMs including **Sullair** and **Quincy** as well as **Diamond Power** soot blowers. Super S fluids are compatible with standard seal and hose materials except natural rubber, ethylene-propylene rubber (EPDM) and latex. Mixing of vacuum pump fluids will reduce the performance of Super S Vacuum Fluids. However, Super S fluids are compatible with mineral oils, polyalphaolefins (PAOs) and most semi-synthetic based lubricants. Super S fluids are incompatible with polyglycol based products.

## TYPICAL CHARACTERISTICS

Super S® Rotary Screw & Vacuum Pump Oil		
Properties	Test Method ASTM D-	
ISO Viscosity Grade		32
Viscosity cSt @ 40°C cSt @ 100°C	445	30-34 6.3-7.0
Viscosity Index	2270	160-180
TOST, oxidation life (Hrs to 2.0 Acid No.)	943	5000
Pour Point	97	-37
Color ASTM		2.0 max

Typical test data are average values only.  
Minor variations which do not affect product performance are to be expected during normal manufacturing.