Super S® Dairy Vacuum Pump Oil

Super S® Dairy Vacuum Pump Oil is formulated from premium performance, highly refined mineral oils to provide extended service operation in light to moderately loaded pumps and compressors. Mineral oils provide the low vapour pressure and high performance characteristics that are desired for rotary vacuum pumps. The proprietary additive system contains special antioxidants and friction modifiers specifically designed to provide extended lubricant life under conditions of high pump load and elevated operating conditions.

Super S® Dairy 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 vapour 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.

FEATURES/ BENEFITS

- **Outstanding wear and corrosion protection**- special friction modifiers provide effective protection of internal metal surfaces from corrosion and wear.
- **Maximizes system efficiency-** highly refined mineral base oils with narrow boiling point ranges and low vapour pressure enables efficient operation over an extended maintenance period
- **Superior corrosion protection-** protects pumps from the corrosive effects of air, moisture, and common solvents
- **Long lubricant life-** provided by excellent thermal and oxidation stability.
- **Excellent demulsibility** helps ensure good lubricant film strength and minimal wear through quick water separation.

FEATURES/ BENEFITS (cont.)

- **Excellent air release** in turbine oil reservoir systems by the foam inhibitor hastening the release of foam and entrained air.
- **Rust protection** of metal surfaces due to the use of an effective rust and corrosion inhibitor
- **High viscosity index-** minimum change in viscosity over a wide range of operating temperatures

APPLICATIONS

Super S® Dairy Vacuum Pump Oil is especially formulated for use in Dairy vacuum pumps where it will tolerate exposure to a wide range of operating temperatures and maintain low levels of evaporation. It also will provide excellent protection in the following applications:

Air Compressors (portable and stationary rotary, vane, and screw compressors)

Industrial bearings and gears that require use of a non-EP oil

Sootblowers

Vacuum pumps

Where a **long life fluid** with good thermal stability is required

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 Vac Fluids. However, Super S fluids are compatible with mineral oils, polyalphaolefins (PAOs) and some semi-synthetic based lubricants. Super S fluids are incompatible with polyglycol based products.

SPECIFICATIONS

ASTM D6158, HV

DIN 51524-3

ISO 11158 L-HV

DENISON HF-0, HF-1, HF-2

FIVES P-70

JCMAS HK-1

VICKERS 35VQ25A

BOSCH RE 90220-01

**Typically meets a dielectric strength of 35 kV when used in a clean, dry environment

Special handling, notices, and warnings

Handle all petroleum products with care.

Dispose of per local regulations

TYPICAL CHARACTERISTICS

Super S® Extended Life Vacuum Pump Oil		
Properties	*Test Method ASTM D-*	
ISO Viscosity Grade		46
Viscosity cSt @ 40°C cSt @ 100°C	 445	 48.0 8.5
Viscosity Index	2270	130-170
TOST, oxidation life (Hrs to 2.0 Acid No.)	943	5000
Pour Point	97	-37
Color ASTM		1.5

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

Super S® Dairy Vacuum Pump Oil resists the formation of deposits and maintains its original lubricating properties over a long life. It is a dehydrated oil; therefore, keep containers well sealed to prevent contamination by moisture.