



# SYNOLAN POE FLUIDS

## (For Severe Air Compressor/Heat Transfer Applications)

**SYNOLAN POE FLUIDS** are superior quality synthetic lubricants with exceptional high stability and durability. They provide outstanding oxidative and thermal stability, excellent dispersing ability, and superior resistance to sludge, varnish, lacquer and carbon deposit formation resulting in an increased useful oil life. They excel in air compressor and heat transfer systems applications.

**SYNOLAN POE FLUIDS** are blended from premium quality synthetic base stocks and further enhanced with the latest additive technology. They effectively reduce, and in most cases, eliminate sludge and varnish deposits in rotary screw and vane compressors.

The superior low temperature properties, inherent oxidative stability and excellent thermal conductivity enable them to perform satisfactorily in year-round services. They reduce wear at cold startup, and maintain viscosity and high film strength at high temperatures. This means that equipment gets superior wear protection at both high and low temperatures, and potential energy savings.

**SYNOLAN POE FLUIDS** are capable of extending the lubricant service life beyond those of diester or PAO based products. Their extremely long RBOT lifetime (3000+ minutes) is indicative of the long service life this fluid can provide.

In addition, they often extend the service life of filters and separators, resulting in an overall improvement of productivity, increased efficiency, reduced maintenance cost and downtime.

**SYNOLAN POE FLUIDS** are recommended for use with fluorocarbon (Teflon and Viton), fluorosilicone, polysulfide and high nitrile Buna-N

elastomers. It is not recommended for use with butyl rubber, natural rubber, neoprene, styrene-butadiene rubber or low-nitrile Buna-N seals.

**Seals, paints and other coatings should be checked for compatibility** with the fluid before converting from a mineral or PAO-based product. **SYNOLAN POE FLUIDS** are readily miscible with synthetic polyglycol, diester or vegetable oil based fluids.

### **BENEFITS:**

- SUPERIOR OXIDATION STABILITY (SEE RBOT)
- REDUCES SLUDGE, VARNISH AND CARBON DEPOSITS
- PROTECTS AGAINST WEAR, RUST AND CORROSION
- EXTENDED SERVICE LIFE
- EXCELLENT HEAT TRANSFER ABILITY

### **APPLICATIONS:**

**SYNOLAN POE FLUIDS** are recommended for a wide range of severe application rotary air compressor equipment operating over 200 F. They may also be utilized as heat transfer fluids for closed systems.

**CAUTION:** Always follow equipment manufacturer's recommendations for selecting the proper viscosity grade and preferences on using synthetic lubricants.



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## TYPICAL CHARACTERISTICS

Product Code	45282	45283
Grade	46	68
Pounds/gallon	7.58	7.61
Specific Gravity (ASTM D-1298)	0.910	0.914
Viscosity (ASTM D-445):		
cSt @ 40°C	48.7	64.2
cSt @ 100°C	7.86	9.45
SUS @ 100°F	249	329
SUS @ 210°F	52.6	58.1
Viscosity Index(ASTM D-2270)	130	127
Pour Point (D-97), °F (°C)	-55 (-48)	-50 (-46)
Flash Point (D-92), °F (°C)	480 (249)	490 (254)
Rotary Bomb Oxidation Test, minutes	3038	3100
Evaporation, 22 hours, 210F, %	0.26	0.26

The above data is subject to usual manufacturing variation. For more information and availability, call 1-800-442-LUBE.  
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