SYNOLAN PG FLUIDS

(For Severe Air Compressor/Heat Transfer Applications)

SYNOLAN PG 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 PG 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. They also minimize carbon deposits on reciprocating compressor exhaust valves, reducing the hazards of compressor fire or explosion. They satisfy the lubrication requirements of majority of compressors in service today.

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 PG FLUIDS are capable of extending the lubricant service life beyond those of diester or PAO based products. 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 PG 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 <u>should be checked for compatibility</u>** with the fluid before converting from a mineral or PAO-based product. **SYNOLAN PG FLUIDS** are readily miscible with synthetic polyglycol, dieseter or vegetable oil based fluids.

BENEFITS:

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

APPLICATIONS:

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

SYNOLAN PG FLUIDS are *not* intended for use in heavily loaded applications or any automotive or industrial gear application that require extreme pressure (EP) gear oil. ***Do not*** use these products in spiral bevel, hypoid or worm gear applications.

CAUTION: Always follow equipment manufacturer's recommendations for selecting the proper viscosity grade and preferences on using diester-based or PAO-based lubricants.

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TYPICAL CHARACTERISTICS

Product Code	45460	45462
Grade	32	68
Pounds/gallon	8.036	8.007
Specific Gravity (ASTM D-1298)	0.964	0.960
Viscosity (ASTM D-445):		
cSt @ 40°C	38.3	54.9
cSt @ 100°C	7.3	9.32
cSt @ 450 F	1.85	2.0
SUS @ 100°F	195	280
SUS @ 210°F	51	57.7
Viscosity Index(ASTM D-2270)	158	153
Pour Point (D-97), °F (°C)	-55 (-48)	-50 (-46)
Flash Point (D-92), °F (°C)	480 (249)	490 (254)
Autoignition point °F (°C)	730 (388)	750 (399)
Demulsibility @ 130 F (D-1401)		
Time for Separation, min	60	60
Oil/Water/Emulsion, ml	43/37/0	43/37/0
Rotary Bomb Oxidation Test, minutes	1830	1640
Carbon Residue, Conradson, % (D189)	0.02	0.028
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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