



POLYGLYCOL FLUID

(Synthetic PAG Gear and Compressor Fluid)

POLYGLYCOL FLUID is a superior quality synthetic polyglycol-based product with exceptional high stability and durability for gearing, bearings and compressors where conditions demand the unique properties of these fluids. They provide outstanding wear protection, thermal and oxidation stability resulting in reduced sludge and deposit formation.

POLYGLYCOL FLUID is formulated with rust and corrosion inhibitors, oxidation control agents, anti-wear compounds, hydrogen sulfide inhibitors and defoamants. Its resistance to thinning out by hydrocarbon dilution maintains the proper operating viscosity and extends drain intervals and parts life. They have excellent lubricity and decrease sliding and rolling friction of steel worm gears resulting in decreased power consumption.

POLYGLYCOL FLUID can be used at temperatures from -30°F and up. These products provide excellent corrosion resistance to bronze, copper and steel metallurgy and they exhibit superior antifoam properties. Their exceptional low temperature fluidity provides applications not normally possible with mineral oil products of comparable viscosity grades.

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

POLYGLYCOL FLUID *is incompatible* with petroleum oil. Care should be taken to make sure the two are not mixed. They may not be compatible with conventional seals, paints and coatings.

BENEFITS:

- IDEAL FOR HYDROCARBON GAS COMPRESSION
- EXCELLENT LUBRICITY
- SUPERIOR THERMAL AND OXIDATION STABILITY
- SUPERIOR WEAR AND DEPOSIT CONTROL
- EXCELLENT LOW TEMPERATURE FLOWABILITY

APPLICATIONS:

POLYGLYCOL FLUID is recommended in gas compression applications where resistance to hydrocarbon dilution is needed.

POLYGLYCOL FLUID may also be utilized as air compressor oil.

Due to the varying make-up of gases and operating temperatures, please contact your FINA representative for specific product recommendations.



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TYPICAL CHARACTERISTICS

Product Code	na	45150	45220
ISO Viscosity Grade	100	150	220
AGMA Grade	3	4	5
API Gravity	4.0	3.13	3.0
Specific Gravity (ASTM D-1298)	1.044	1.051	1.052
Density, lb/gal	8.698	8.754	8.76
Viscosity (ASTM D-445):			
cSt @ 40°C	100	148	209
cSt @ 100°C	19.4	27.8	38.5
SUS @ 100°F	501	746	1052
SUS @ 210°F	97.8	135	185
Viscosity Index (ASTM D-2270)	218	227	236
Pour Point (D-97),			
°F	-34	-30	-44
(°C)	(-37)	(-34)	(-42)
Fire Point (D-92),			
°F	450	460	515
(°C)	(232)	(238)	(268)
Specific Heat, Cal/g- C			
60 °C	0.48	0.48	0.48
80 °C	0.49	0.49	0.49
100 °C	0.51	0.51	0.51
Thermal conductivity, BTU/Hr/(Ft-°F)			
100 F	0.095	0.095	0.095
200 F	0.090	0.090	0.090

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