



Performance Filtration

1440 Hwy 121 Ste 4
 Lewisville, TX 75067
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**Natural Gas-Polyglycol
 (NG-PAG) Series**

Product Information - MSDS Data Sheet

SYNTHETIC NATURAL GAS COMPRESSOR LUBRICANT

NG-PAG synthetic lubricants are polyglycol-based products for use in natural gas rotary screw compressors. The resistance to thinning out by hydrocarbon dilution allows **NG-PAG** to maintain the proper operating viscosity, extending drain intervals and parts life. This unique blend is specifically additive treated with rust and corrosion inhibitors, oxidation control agents, anti-wear compounds, and hydrogen sulfide inhibitors.

As the **NG-PAG** lubricants are incompatible with petroleum oils, care should be taken to make sure the two are not mixed.

Product Part#-NG-PAG		68	100	150	220*	320*	460*	680*
PFI Part #	Test Method	4917	4918	4919	4930	4933	4934	4935
ISO Grade	ASTM D2422	68	100	150	220	320	460	680
Viscosity:								
Cst @ 40°C	ASTM D445	68.0	100.0	148.0	237.0	314.0	441.0	654.0
Cst @ 100°C	ASTM D445	14.80	19.40	27.80	42.90	55.70	76.60	111.00
SUS @ 100°F	ASTM D445	340	501	746	1191	1580	2224	3312
SUS @ 210°F	ASTM D445	78.2	97.8	135.0	206.0	266.0	366.0	532.0
Viscosity Index	ASTM D2270	230	218	227	238	245	255	268
Pour Point °F (°C)	ASTM D97	-38 (-39)	-34 (-37)	-30 (-34)	-25 (-32)	-25 (-32)	-20 (-29)	-20 (-29)
Density, g/ml 60°F		1.0413	1.0441	1.0484	1.052	1.054	1.056	1.057
Flash Point °F (°C)	ASTM D92	450 (232)	450 (232)	460 (238)	510 (266)	520 (271)	530 (277)	525 (274)

* ISO Grades 220-680 are for use in enclosed gear, bearing, and compressors where conditions demand the unique properties of these fluids. Better wear protection thermal and oxidation stability, and reduced sludge and deposit formation insure enhanced performance when compared to petroleum-based lubricants.

Thermal Characteristics:

Specific Heat	Thermal Conductivity
Cal/g-°C	BTU/Hr/(Ft*°F)
60°C=0.48	100°F=0.095
80°C=0.49	200°F=0.090
100°C=0.51	

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The information contained in this document is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability.