



Performance Filtration, Inc.

1440 Hwy 121 Ste 4
 Lewisville, TX 75067
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**Synthetic Air Compressor
 PAO SERIES**

Product Information - MSDS Data Sheet

SYNTHETIC COMPRESSOR LUBRICANT

PAO Series lubricants are manufactured from the highest quality PAO (polyalphaolefin) base-stocks and advanced additive technology. **PAO Series** lubricants are recommended for rotary screw, centrifugal, and reciprocating compressors and offer many advantages over petroleum-based lubricants as well as some synthetics - especially where compatibility is an important concern. The **PAO Series** lubricants have low pour points, high viscosity indexes and excellent water demulsibility.

Product Part Number- PAO		32	46	68	100	150
PFI Part Number	Test Method	2555	2556	3592	2584	3596
ISO Viscosity Grade	ASTM D2422	32	46	68	100	150
Viscosity:						
Cst @ 40°C	ASTM D445	32.0	43.0	66.0	93.0	142.0
Cst @ 100°C	ASTM D445	5.80	7.20	9.80	12.50	16.30
SUS @ 100°F	ASTM D445	163	220	339	482	737
SUS @ 210°F	ASTM D445	45.7	50.4	59.9	69.8	85.1
Viscosity Index	ASTM D2270	126	130	146	149	149
Specific Gravity		0.8510	0.8546	0.8632	0.8610	0.8899
Density, lbs/gal		7.095	7.125	7.196	7.170	7.410
Pour Point °F (°C)	ASTM D97	-65 (-54)	-55 (-48)	-55 (-48)	-40 (-40)	-40 (-40)
Flash Point °F	ASTM D92	495 (257)	500 (260)	495 (257)	500 (260)	500 (260)
Autoignition Point °F	ASTM D2155	730 (388)	745 (396)	745 (396)	760 (404)	760 (404)
Copper Corrosion	ASTM D130	1A	1A	1A	1A	1A
Emulsion Tendency	ASTM D1401	40/40/0 5 min	40/40/0 10 min	40/40/0 15 min	41/39/0 10 min	42/38/0 10 min
Four Ball Wear Test, mm						
1200 rpm, 167°F, 40 kg	ASTM D2266	0.47	0.45	0.45	0.45	0.45
Foaming Tendency						
Seq I	ASTM D892	NIL	NIL	NIL	NIL	NIL
Seq II	ASTM D892	NIL	NIL	NIL	NIL	NIL
Seq III	ASTM D892	NIL	NIL	NIL	NIL	NIL

PAO Series lubricants are compatible with commonly used seal materials and equipment designed for use with petroleum oils. Consult the Material Compatibility Guide for specific recommendations.

*Due to the high viscosity index, these fluids behave as indicated viscosity grade at common use temperatures.

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.

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