



Performance Filtration - 1440 S Hwy 121 Ste 4 Lewisville, TX 75067  
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**Performance Filtration**

1440 Hwy 121 Ste 4  
Lewisville, TX 75067  
800-866-2959 or 972-434-2959  
972-436-1932 (fax)

**Synthetic Air Compressor  
Petroleum (PAH) SERIES**

**Product Information - MSDS Data Sheet**

**SYNTHETIC COMPRESSOR LUBRICANT**

The **PAH Series** is formulated from highly refined petroleum hydrocracked base stocks and the unique additive **Syntholate**. The addition of **Syntholate** inhibits the formation of varnish and carbon and provides superior thermal and oxidative stability. Utilizing the superior petroleum base stocks fortified with **Syntholate** extends the life of the TM Series compared to that of conventional mineral oils and provides the following money saving benefits:

- 1) Reduced lubricant consumption - Extended drain intervals and lower vapor pressures reduce lubricant consumption.
- 2) Reduced maintenance - **Syntholate** reduces carbon and varnish formation thus extending valve life and the time interval between overhauls.
- 3) Eliminates recompression - **Syntholate** keeps the valves clean and eliminates the primary cause of recompression.
- 4) Reduces power consumption - Elimination of recompression and reduced coefficient of friction result in less power consumption per unit of compression.
- 5) Improved safety - Higher flash points provide a greater margin of safety in air compression.

Product Part Number- PAH		32	46	100	150
<b>PFI Part Number</b>	<b>Test Method</b>	<b>2589</b>	<b>2587</b>	<b>2585</b>	<b>3589</b>
<b>ISO Viscosity Grade</b>	ASTM D2422	32	46	100	150
<b>Viscosity:</b>					
<b>Cst @ 40°C</b>	ASTM D445	31.2	66.3	99.2	146.6
<b>Cst @ 100°C</b>	ASTM D445	5.27	8.48	11.24	14.59
<b>SUS @ 100°F</b>	ASTM D445	163	346	524	769
<b>SUS @ 210°F</b>	ASTM D445	43.9	54.8	64.7	77.9
<b>Viscosity Index</b>	ASTM D2270	99	97	99	98
<b>Specific Gravity 60°F</b>	ASTM D1298	0.8770	0.8760	0.8760	0.8790
<b>Pour Point °F (°C)</b>	ASTM D97	-30 (-34)	-25 (-32)	-25 (-32)	-22 (-30)
<b>Flash Point °F (°C)</b>	ASTM D92	420 (216)	470 (243)	520 (271)	295 (257)
<b>Rust Preventive Character</b>	ASTM D665	Pass	Pass	Pass	Pass
<b>Carbon Residue</b>	ASTM D189	0.118	0.120	0.153	0.159
<b>Four Ball Wear Test, mm</b>					
<b>1200 rpm, 167°F, 40 kg</b>	ASTM D2266	0.6	0.6	0.8	0.6

The **PAH Series** with **Syntholate** pays for itself with the first lubricant change.

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.