



Performance Filtration, Inc.

1440 Hwy 121 Ste 4
 Lewisville, TX 75067
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**Synthetic Refrigeration
 PAO/AB SERIES**

Product Information - MSDS Data Sheet

SYNTHETIC COMPRESSOR LUBRICANT

R-PAO/AB Series is a synthesized hydrocarbon-alkylate 100% full-synthetic formulation for reciprocating, rotary, and centrifugal refrigeration compressor applications using any of several refrigerants including ammonia (R717), R12, R13, R22, R113, R114, R123, R401A, R401B, R402B, R409A, R500, R502 and R503.

R-PAO/AB Series is not compatible with R134A and most HFCs. This product is extremely stable at higher compression temperatures while providing excellent low temperature properties at low evaporator temperatures. Performance and cost benefits include:

- Reduced oil carryover and accumulation in the evaporator
- Reduced oil consumption- Up to 70% less vs. mineral oils
- Reduced deposit formation & low foaming tendency
- Excellent seal, paint & plastic compatibility
- Extended lubricant service life- Up to 5 times longer vs. mineral oils
- Chemically stable in the presence of normal levels of water & air
- Extended lubricant service life vs. mineral oils

Product Part- R-PAO-AB	32	46	68	100
PFI Part Number	4957	4958	4959	4960
ISO Viscosity Grade	32	46	68	100
Viscosity:				
Cst @ 0°C	314.0	497.0	887.0	1776.0
Cst @ 40°C	31.3	43.6	61.8	91.5
Cst @ 100°C	5.5	6.5	8.9	10.5
Viscosity Index	109.0	97.0	119.0	96.0
Four Ball Wear, mm	0.66	0.53	0.85	0.66
Pour Point °F (°C)	-49 (-45)	-33 (-36)	-71 (-57)	-22 (-30)
Flash Point °F	380 (193)	395 (202)	465 (241)	375 (191)
Specific Gravity	0.8480	0.8500	0.8405	0.8570
TAN, mgKOH/g	< 0.1	< 0.1	< 0.1	< 0.1

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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