

Product Data Sheet

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ROCK VALLEY PAO SYNTHETIC COMPRESSOR LUBES 3000 SERIES

Rock Valley PAO Synthetic Compressor Lubes are designed to meet the lubrication requirements on most compressors in service today. RV Synthetic Compressor Lubes 3032, 3046, and 3068 are for use in oil-flooded rotary vane and screw compressors. RV Synthetic Compressor Lube 3100 is for use in reciprocating compressors, as the crankcase and cylinder lubricant.

Rock Valley 3000 Series Compressor Lubes are derived from premium poly-alphaolefin synthetic basestocks combined with the latest additive technology. This combination results in superior oxidation and thermal stability yielding extended drain intervals, reduced varnish, sludge, carbon deposits, vapor pressure, feed rates and oil carry-over. The bottom line is fewer oil and filter changes, less downtime and lower maintenance and operation cost.

<u>Typical Properties:</u>	RV PAO Syn 3032	RVPAO Syn 3046	RV PAO Syn 3068	RV PAO Syn 3100
ISO Viscosity Grade (D-2422)	32	46	68	100
Viscosity, cSt, (D-445)				
100 °C:	5.4	8.7	12.4	17.9
40 °C:	28.2	47.0	66.4	101.6
Viscosity Index (D-2270)	132	167	188	195
Pour Point, °F: (D-97)	-70	-60	-55	-45
Flash Point, °F: (D-92)	510	500	505	510
Fire Point, °F: (D-92)	540	535	535	525
Autoignition Temp., °F: (D-2155)	750	750	750	750
Conradson Carbon Residue, % (D-189)	< 0.01	<0.01	< 0.01	< 0.01
Demulsibility, 130 °F: (D-1401) (minutes)	40/40/0(15)	40/40/0(30)	40/40/0(30)	40/40/0(45)
Four Ball Wear Test, (1) Scar diam., mm (D-2266)	0.5	0.5	0.5	0.5
Density, lbs./gal., 60 °F:	6.99	7.06	7.11	7.16
API Gravity @ 60°F:	37.0	35.4	34.2	33.0

NOTE: (1) Steel/steel, load- 40 kg, RPM- 1200, time- 1hr., temp.- 75 °C:

Materials Compatibility

This table is provided as a guide in the selection of elastomers, paints and plastics for use with PAO Synthetic Compressor Lubricants.

Materials•	Recommended•	Not Recommended•
Seals	Teflon Viton Nitrile Buna N (Nitrile content 30%) Fluorocarbon Polysulfide Polyacrylic Fluorosilicone	Natural Rubber Neoprene Nitrile Buna N (Nitrile content < 30%) SBR Rubber Ethylene Propylene
Paints	Epoxy Acrylic Oil Resistant Alkyd	PVC
Plastics	Fluorocarbon Nylon Delrin Celcon Polycarbonate	Polystyrene PVC ABS

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