

RALCO

AIRCO SUPERIOR (PAO)

AIRCO SUPERIOR PAO lubricants are synthetic air compressor fluids designed using high quality polyalphaolefin (PAO) base stocks and an advanced additive package built for high-level performance. These products are formulated to meet the demands of modern compressor equipment which place a high level of stress of the lubricant due to compact designs, increased speeds and resulting high temperatures. PAO offers excellent compatibility with most lubricants and equipment components, excellent demulsibility for easy moisture removal and solid performance over a wide temperature range.

AIRCO SUPERIOR PAO 32, 46, and 68 are designed for rotary screw applications and offer a service life of up to 6,000 - 8,000 hours under good operating conditions.

APPLICATION DETAIL

- Rotary screw compressors
- Rotary vane compressors
- Reciprocating compressors
- Vacuum pumps
- Centrifugal compressors

QUICK POINT
Name: AIRCO SUPERIOR PAO
ISO Grade: 32, 46, 68
Color: Pale Yellow
Food Grade: No
Main Application: Screw Compressor

KEY BENEFITS

- Cost savings from extended service intervals (6,000 - 8,000 hours)
- Excellent demulsibility for improved lubricity and fluid life
- Robust protection from oxidation and thermal degradation
- Protection from wear and corrosion to extend machine life
- Reduced oil make-up costs from low volatility / low foaming formula design
- Potential energy savings over standard mineral oils

TECHNICAL PROPERTIES

ISO Grade	ASTM METHOD	32	46	68
Viscosity, 40°C	D445	32	48	68
Viscosity, 100°C	D445	5.5	7.9	10.3
Viscosity Index	D2270	140	134	139
Specific Gravity, 20°C	D4052	0.84	0.86	0.86
Pour Point, °C	D97	-40	-40	-40
Flash Point, °C	D92	220	250	250
Demulsibility, min.	D1401	40-40-0 (<5)	40-40-0 (<5)	40-40-0 (<5)
Foaming Sequences I, II, III	D892	< 10/0	< 10/0	< 10/0
Copper Corrosion	D130	1b	1b	1b
Four Ball Wear, 40 Kg., 1200rpm, 75°C, 1 hr., Scar Diameter, mm	D4172	<0.50	<0.50	<0.50

Headquarter
Camino de la Riera, 36-44 Pol. Ind.
Cova Solera 08191 Rubi (Barcelona) – Espain