

RALCO | AIRCO SUPERIOR (POE)

The AIRCO SUPERIOR is formulated with synthetic polyol ester (POE) base fluids and high-performance additives to achieve extended life in air compressor applications operating in high ambient temperatures. These products feature excellent thermal and oxidative stability enabling successful operation at high temperatures without creating harmful byproducts of degradation. The AIRCO SUPERIOR offers a significant upgrade in performance over other synthetic fluids in the market such as PAO.

AIRCO SUPERIOR 46 and 68 are designed for rotary screw compressors with a long service life of 8,000 -10,000 hours under good operating conditions.

APPLICATION DETAIL

- Rotary Screw Compressors
- Reciprocating Compressors
- Rotary Vane Compressors
- Vacuum Pumps
- Centrifugal Compressors

QUICK POINT
Name: AIRCO SUPERIOR
ISO Grade: 46-68
Food Grade: No
Main Application: Screw Compressor

KEY BENEFITS

- Same base fluid as used in jet aviation (Polyol ester)
- Superior to petroleum, PAO, or synthetic diesters
- Outstanding thermal stability
- Built in detergency action
- Extended drain intervals reduce oil disposal, thus increasing cost effectiveness.
- Generally recognized as being biodegradable and virtually non-toxic
- Extremely low Evaporation, reduced maintenance, reduced top-up
- Excellent lubricity, Increased efficiency, reduced cost of operation

TECHNICAL PROPERTIES

VISCOSITY GRADE	SAE J300	**46**	**68**
KINEMATIC VISCOSITY AT 40°C (cSt)	ASTM D-445	46	68
KINEMATIC VISCOSITY AT 100°C (cSt)	ASTM D-445	6,83	-
VISCOSITY INDEX	ASTM D-2270	105	105
FZG TEST	DIN ISO 14635-1	9	9
DENSITY AT 15,6°C (g/cm³)	ASTM D-4052	0,86	0,87
POUR POINT (°C)	ASTM D-5950	-15	-14
FLASH POINT (°C)	ASTM D-92	271	266
COPPER CORROSION	ASTM D-130	1a	1a
STEEL CORROSION	ASTM D-665		
- PROCEDURE A (DISTILLED WATER)		0	0
- PROCEDURE B (SYNTHETIC SEA WATER)		0/0	0/0
WATER CONTENT (% mass)	ASTM D-6304	<0,1%	<0,1%

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