



TECHNICAL DATA

8/23/2023 REV. 2

SYNCOMP PAO FG SERIES

FOOD GRADE SYNTHETIC PAO COMPRESSOR LUBRICANTS

SYNCOMP PAO FG SERIES products are synthetic food grade compressor oils formulated with high-quality, pure polyalphaolefin (PAO) base oils. This series is H1 approved for incidental food contact & can be used in all food, beverage processing and packaging facilities. SYNCOMP PAO FG Series offers very good performance in various types of industrial equipment such as air compressors and some hydraulic systems. It also offers long fluid life, excellent corrosion protection and low foaming in air compressors.

APPLICATIONS:

- Rotary Screw Compressors
- Rotary Van Compressors
- Vacuum Pumps
- Reciprocating Compressors
- Meat & Poultry Processing Plants
- Bearings in Food Grade applications/blenders
- Food Processing Plants
- Centrifugal Compressors

KEY BENEFITS:

- Outstanding thermal oxidative stability
- Very low pour point
- Wide operating temperature range
- Non-detergent
- Excellent vapor pressure characteristics
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- Extended drain intervals/ reduced oil disposal
- Available in 1 gallon, 5-gallon pail or 55-gallon drum

PHYSICAL PROPERTIES:

PROPERTY	TEST METHOD	SYNCOMP PAO FG-32	SYNCOMP PAO FG-46	SYNCOMP PAO FG-68	SYNCOMP PAO FG-100	SYNCOMP PAO FG-150
ISO GRADE	ASTM D2422	32	46	68	100	150
Viscosity Index	ASTM D2270	168	143	145	145	145
Viscosity @ 40° C, cSt	ASTM D445	29.6	45.2	69.5	108	138
Viscosity @ 100° C, cSt	ASTM D445	6.3	7.8	9.2	10.5	16
Flash Point, °C/ ° F	ASTM D92	249/481	273/523	277/531	272/521	277/531
Copper Corrosion	ASTM D130	1b	1b	1b	1b	1b
Pour Point, °C/ ° F	ASTM D97	-68/-90	-40/-40	-40/-40	-39/-38	-37/-35
Evaporation, %	ASTM D972	<1.0	<1.0	<1.0	<1.0	<1.0
Demulsibility	ASTM D1401	Excellent	Excellent	Excellent	Excellent	Excellent
Foaming Sequence I, II, III	ASTM D892	<10/0	<10/0	<10/0	<10/0	<10/0
Specific Gravity	ASTM D4052	0.83	0.84	0.84	0.84	0.84
Color	ASTM D1500	Clear	Clear	Clear	Clear	Clear

HANDLING PRACTICES:

For information on the safe handling and use of this product refer to the Safety Data Sheet. For more information and availability, call (630) 513-6350.

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