

ALLSYN FG AIR
FOOD GRADE AIR COMPRESSOR OIL
No. 660



NSF H-1 Certified
ISO 32, 46, 68, 100, 150

DESCRIPTION:

ALLSYN FG AIR lubricants are specially designed for rotary screw, vane and reciprocating compressors being used in the food service industry. These fully synthetic lubricants are NSF Registered and meet USDA 1998 (H-1) guidelines (lubricants with incidental food contact).

ALLSYN FG AIR lubricants are formulated from the highest quality synthesized hydrocarbon fluids available. A special additive system is blended with the synthetic base-fluid to provide extended lubricant life and to protect against wear, rust and corrosion. Field tests have shown these lubricants to be capable of running in excess of 8,000 hours. **ALLSYN FG** lubricants are compatible with commonly used seal materials and equipment designed for use with petroleum oils.

PERFORMANCE CHARACTERISTICS:

- **Oxidation resistant**
Oxidation inhibitors and premium quality PAO and Ester based synthetic base stocks combine to form a product with outstanding resistance to oxidation, sludge and varnish, designed for extended drain intervals
- **Provides excellent anti-wear protection**
Special ashless anti-wear additives protect against wear at high pressure and under heavy loads and reduce operating temperature and horsepower requirements
- **Superior rust protection**
Inhibitors protect metal parts from moisture during operation and shut down.
- **Demulsibility**
Designed to separate rapidly from water for extended filter life
- **High viscosity index**
Allows efficient operation at both low and high temperatures and reduces energy consumption in comparison to conventional compressor oils

TYPICAL APPLICATIONS:

FG-32 is designed for use in rotary screw compressors and applications requiring an ISO-32 lubricant. **FG-46 & FG-68** are designed for use in rotary screw compressors and other applications requiring an ISO-46 or ISO-68 lubricant. **FG-100** is designed for use in reciprocating compressors and other applications requiring an ISO-100 lubricant. **FG-150** is designed for general lubrication and reciprocating compressors requiring an ISO-150 lubricant.

SUMMARY:

Air compressors are constantly subjected to adverse conditions such as moisture, heat, high speeds, long operating intervals and high pressures. Each of these factors affects the ability of the compressor fluid to provide the protection needed. Carbon, gum and varnish buildup lead to accelerated wear in bearings, rings, vanes, gears, rotors and cylinders. Oil deterioration results in excessive wear causing expensive downtime and rebuilds.

ALLSYN FG AIR Compressor Oil is formulated to greatly reduce these problems and provide maximum compressor efficiency and life while providing food safety.

TYPICAL SPECIFICATIONS:

ISO Grade	32	46	68	100	150
NSF Registered	H1	H1	H1	H1	H1
Viscosity:					
@ 40°C, cSt	33.0	45.5	67.1	103.0	148.0
@ 100°C, cSt	5.9	7.5	10.1	14.0	18.5
Viscosity Index	124	130	136	137	140
4-Ball Wear (mm scar)	0.4	0.4	0.4	0.4	0.4
Copper Corrosion	1A	1A	1A	1A	1A
Rust	Pass	Pass	Pass	Pass	Pass
Pour Point,					
°F	-74	-40	-42	-44	-51
(°C)	(-59)	(-40)	(-41)	(-42)	(-46)
Flash Point,					
°F	460	505	500	510	530
(°C)	(238)	(263)	(260)	(266)	(277)
Water Separation (ml oil/ml water/ml emulsion)	40/40/0 (10)	40/40/0 (10)	40/40/0 (10)	40/40/0 (10)	40/37/0 (10)

Values shown here are typical, and may vary.