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# Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current as of November 18, 2008.

## SYNTHETIC AIR COMPRESSOR

### FG SERIES (FOOD GRADE)

The **Summit FG Series** 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). **Summit FG Series** lubricants are Kosher/Halal certified and CFIA accepted. Summit is an ISO 21469 certified facility.

The FG Series lubricants are formulated from the highest quality synthesized hydrocarbon fluids available. The special additive system is blended with the synthetic base-fluid to provide extended lubricant life and to protect against wear, rust and corrosion. FG Series lubricants have the same software compatibility as Summit SH® Series lubricants.

### Physical Properties

PRODUCTS	FG-100	FG-200	FG-250	FG-300	FG-500
ISO					
Viscosity Grade	32	46	68	100	150
Viscosity					
@ 40°C, cSt	29.6	46.7	69.1	96.2	149.7
@ 100°C, cSt	5.64	7.68	10.49	13.13	19.08
@ 100°F, SUS	152	235	355	494	764
@ 210°F, SUS	45.1	51.9	62.0	71.4	96.8
Viscosity Index	133	132	139	135	145
Specific Gravity	0.827	0.834	0.837	0.841	0.845
Density lbs/gal	6.886	6.944	6.973	7.002	7.037
Flash Point, °F (°C)	490(254)	530(277)	510(266)	535(279)	515(268)
Pour Point, °F (°C)	-60(-51)	-71(-57)	-65(-54)	-60(-51)	-40(-40)
Autoignition Point, °F (°C)	730(388)	745(396)	750(399)	760(404)	770(410)
Emulsion Tendency	40/40/0(10)	40/40/0 (5)	40/40/0(10)	40/40/0 (5)	43/37/0(10)
NSF Registered	H1	H1	H1	H1	H1
ISO 21469	Yes	Yes	Yes	Yes	Yes
Kosher	Yes	Yes	Yes	Yes	Yes
Halal	Yes	Yes	Pending	Yes	Yes
CFIA	Yes	Yes	Pending	Yes	Yes

**FG-100** is designed for use in rotary screw compressors and applications requiring an ISO-32 lubricant. **FG-200 & FG-250** are designed for use in rotary screw compressors and other applications requiring an ISO-46 or ISO-68 lubricant. **FG-300** is designed for use in reciprocating compressors and other applications requiring an ISO-100 lubricant. **FG-500** is designed for general lubrication and reciprocating compressors requiring an ISO-150 lubricant.

**Shelf Life:** Product shelf life is 3 years from the date of manufacture, after which the product should be recertified prior to use.