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P.O. Box 131359 • Tyler, CR 2120, Texas 75713, Phone 903.534.8021 • Fax 903.581.4376

# 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.

## 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 (H1) 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

| FG SERIES                   | FG-100      | FG-200     | FG-250      | FG-300      | FG-500      |
|-----------------------------|-------------|------------|-------------|-------------|-------------|
| ISO 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, HT1     | H1         | H1          | H1          | H1          |
| ISO 21469                   | Yes         | Yes        | Yes         | Yes         | Yes         |
| Kosher                      | Yes         | Yes        | Yes         | Yes         | Yes         |
| Halal                       | Yes         | Yes        | -           | Yes         | Yes         |
| CFIA                        | Yes         | Yes        | Yes         | 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.