

July 5, 2013

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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.

SYNTHETIC AIR COMPRESSOR

SH® SERIES

Summit SH® Series lubricants are manufactured from the highest quality PAO (polyalphaolefin) base stocks and advanced additive technology. SH® Series lubricants are recommended for rotary screw, centrifugal, vane and reciprocating compressors and offer many advantages over petroleum-based lubricants as well as some synthetics - especially where compatibility is an important concern. The SH® Series lubricants have low pour points, high viscosity indices and excellent water demulsibility.

Physical Properties

PRODUCTS	SH®-32	SH®-46	SH®-68	SH®-100	SH®-150
ISO Grade	32	46	68	100	150
Viscosity:					
@ 40°C, cSt	32.0	43.2	66.0	93.0	142
@ 100°C, cSt	5.80	7.34	9.80	12.5	16.3
@ 100°F, SUS	163	220	339	482	737
@ 210°F, SUS	45.7	50.4	59.6	69.8	85.1
Viscosity Index	126	134	132	130	122
Specific Gravity,	0.8510	0.8535	0.8610	0.8620	0.8899
Density, lbs/gal	7.112	7.129	7.170	7.179	7.410
Flash Point, °F(°C)	490(254)	525(273)	520(271)	535(279)	535(279)
Pour Point, °F (°C)	-81(-63)	-38(-39)	-44(-42)	-44(-42)	-40(-40)
Autoignition Temp., °F (°C)	730 (388)	745 (396)	745 (396)	760 (404)	760 (404)
Emulsion Tendency	40/40/0 10 Mins.	40/40/0 10 Mins.	40/40/0 20 Mins.	40/40/0 15 Mins.	42/38/0 15 Mins.

Summit SH® Series lubricants are compatible with commonly used seal materials and equipment designed for use with petroleum oils. Consult the Material Compatibility Guide for specific recommendations.

Shelf Life: Product shelf life is 5 years from the date of manufacture, after which the product should be recertified prior to use.

May 13, 2002

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Summit SH® SERIES

APPLICATIONS

Summit SH®-32 is recommended for use in the following applications:

- Centrifugal compressors
- Rotary screw compressors
- Ball and roller bearings
- Low temperature lubrication
- High temperature lubrication
- General lubrication for applications requiring an ISO 32 lubricant

Summit SH®-46 is recommended for use in the following applications:

- Centrifugal compressors
- Rotary screw compressors
- Ball and roller bearings
- Low temperature lubrication
- High temperature lubrication
- General lubrication for applications requiring an ISO 46 lubricant

Summit SH®-68 is recommended for use in the following applications:

- Rotary screw and vane compressors
- Small reciprocating compressors
- Ball and roller bearings
- Low temperature lubrication
- High temperature lubrication
- General lubrication for applications requiring an ISO 68 lubricant

Summit SH®-100 is recommended for use in the following applications:

- Reciprocating and rotary vane compressors
- Ball and roller bearings
- Low temperature lubrication
- High temperature lubrication
- General lubrication for applications requiring an ISO 100 lubricant

Summit SH®-150 is recommended for use in the following applications:

- Reciprocating and rotary vane compressors
- Ball and roller bearings
- Low temperature lubrication
- High temperature lubrication
- General lubrication for applications requiring an ISO 150 lubricant