

NOTE: The information shown here 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 December 7, 2006.

## SYNTHETIC AIR COMPRESSOR

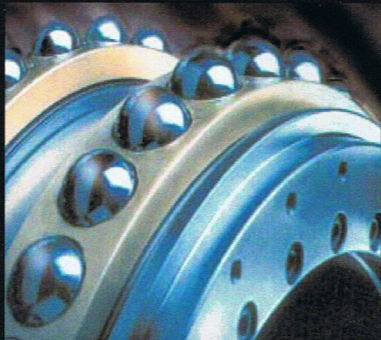
### SH® SERIES

*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, 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 Viscosity Grade	32	46	68	100	150
Viscosity:					
@ 40°C, cSt	32.0	43.0	66.0	93.0	142
@ 100°C, cSt	5.80	7.20	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	130	132	130	122
Specific Gravity,	0.8510	0.8546	0.8632	0.8610	0.8899
Density, lbs/gal	7.095	7.125	7.196	7.170	7.410
Pour Point, °F (°C)	-76(-60)	-44(-42)	-44(-42)	-40(-40)	-40(-40)
Flash Point, °F(°C)	470(243)	515(268)	520(271)	535(279)	535(279)
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.



### **Full Synthetic**

- **DSL® Series**
- **Lubricant Coolant**
- **Supra® Coolant**
- **Supra®-32**
- **AU-46**
- **SH® Series**
- **Ultima & Ultima 68**
- **Food Grade Series**

### **Premium Synthetic Blend**

- **PS Series**

### **Synthetic Blend**

- **TM Series**

### **Additional Synthetic Lubricants for these Applications**

**Air, Gas & Refrigeration Compressors**

**Air Tools**

**Vacuum Pumps**

**Turbines**

**Blowers**

**Chain & Oven Conveyors**

**Heat Transfer Fluids**

**Barrier Fluids**



**ISO 9001: 2000 & 14001  
Registered**

## **Compressor Lubricants**

# **SH® Series**

## **FULL SYNTHETIC**

### **SH® Series Product Benefits**

- Made from (PAO) polyalphaolefin synthetic base fluids
- Available in ISO viscosity grades of 32, 46, 68, 100 & 150
- Low pour point
- High viscosity index
- Excellent water demulsibility
- Enhanced oxidative stability
- Excellent low temperature flow characteristics
- Excellent high temperature stability
- Recommended for 8,000 hours in rotary screw air compressors

### **SH® Series Products are recommended for use in the following applications:**

- Centrifugal compressors
- Rotary screw compressors
- Ball and roller element bearings
- Low temperature lubrication
- High temperature lubrication

### **Materials Compatibility**

Neoprene, Viton, Buna-N, Buna-N24, Buna-N19, Epoxy Paint, Compounded Urethane, Nylon, Teflon, Plastisol, PVC, Acrylic Paint, Lacquer and most commonly used software materials.

*Summit Industrial Products is recognized as an industry leader in lubricating technology. Summit is a subsidiary of Klüber Lubrication, one of the world's leading manufacturers of specialized high performance greases, oils, pastes and coatings.*

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