

Summit Sierra® Series

Synthetic air compressor



Your benefits at a glance

- Provides service for 8,000 hours
- Protects from wear and deposit formation
- Compatible with most lubricants on the market

Your requirements - our solution

Summit Sierra is specifically designed to provide extended service to rotary screw air compressors operating within normal conditions. Summit Sierra is rated to provide superior service for 8,000 hours in most air compressor applications.

Produced from the highest grade additives and base stocks available, Summit Sierra Series will continue to protect air compressors from wear and deposit formation where other compressor lubricants fail. Based on lubrication technology with millions of hours of proven performance, Summit Sierra is supported by the Summit performance guarantee. Utilizing the free in-house lubrication analysis provided by Summit, professional lab

technicians can track the performance of the lubricant and will determine when a lubricant needs to be changed. Summit Sierra is compatible with most rotary screw air compressor lubricants on the market.

Application

Air compressor

Application notes

Summit Sierra is not compatible with silicone or polyglycol based air compressor lubricants.

Material safety data sheets

Material safety data sheets can be requested via our website <https://www.klsummit.com>. You may also obtain them through your contact person at Summit Lubrication.

Characteristics	SIERRA-32	SIERRA-46	SIERRA-68
Article number	340196	340195	340197
Demulsifying capacity	40-40-0 (10) (min)	-	-
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 54°C	-	40-40-0 (15) ml (min)	43-37-0 (20) ml (min)
Density	0.858 g/cm ³	-	-
Density, 20°C	-	approx. 0.864 g/cm ³	approx. 0.870 g/cm ³
Fire point	246 °C	-	-
Fire point, Cleveland open cup	-	approx. 263 °C	approx. 280 °C
Flash point	235 °C	-	-
Flash point, ASTM D92, Cleveland open cup	-	≥ 240 °C	≥ 260 °C
Foam test, ISO 6247 / ASTM D892, 24°C, sequence I	-	approx. 0/0 ml	approx. 0/0 ml
Foam test, ISO 6247 / ASTM D892, 24°C, sequence III	-	approx. 0/0 ml	approx. 0/0 ml
Foam test, ISO 6247 / ASTM D892, 93.5°C, sequence II	-	approx. 15/0 ml	approx. 5/0 ml
ISO viscosity grade, DIN ISO 3448, ISO VG	-	46	-
Kinematic viscosity, 100°C	6.1 mm ² /s	-	-
Kinematic viscosity, 40°C	33.8 mm ² /s	-	-

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Characteristics	SIERRA-32	SIERRA-46	SIERRA-68
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	-	approx. 7.6 mm ² /s	approx. 9.6 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	-	approx. 46 mm ² /s	approx. 69 mm ² /s
Viscosity index	130	-	-
Viscosity index, ASTM D2270	-	approx. 128	approx. 120
Copper corrosion, ASTM D130, 3 h, 100°C	-	1 - 100 - 3 corrosion degree	1 - 100 - 3 corrosion degree
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	-	approx. -51 °C	approx. -49 °C
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346, based on standard	-51 °C	-	-
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	36 months	36 months

Summit Lubrication

Your expert in specialty lubricants. Since 1982, we have partnered with you to bring you the right solution and advanced lubrication technologies. With over 500 products, from air and gas compressor oils to refrigeration oils, we develop top-of-the-line products tailored to your specific needs. Your success is our success.

Summit Lubrication a brand of Klüber Lubrication NA LP /
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