

SH® Series

Synthetic air compressor



Your benefits at a glance

- Low pour points
- High viscosity indices
- Excellent water demulsibility

Your requirements - our solution

Summit SH Series lubricants are manufactured from 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.

Application notes

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.

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	SH-32	SH-46	SH-68	SH-100
Article number	340504	340463	340464	340465
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 54°C	40-40-0 (15) ml (min)	40-40-0 (15) ml (min)	40-40-0 (15) ml (min)	-
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 82°C	-	-	-	40-40-0 (15) ml (min)
Density	-	-	-	-
Density, 20°C	approx. 0.850 g/cm ³	approx. 0.851 g/cm ³	approx. 0.858 g/cm ³	approx. 0.857 g/cm ³
Flash point, ASTM D92, Cleveland open cup	≥ 230 °C	≥ 240 °C	≥ 240 °C	≥ 240 °C
Foam test, ISO 6247 / ASTM D892, 24°C, sequence I	approx. 0/0 ml	approx. 0/0 ml	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	approx. 0/0 ml	approx. 0/0 ml
Foam test, ISO 6247 / ASTM D892, 93.5°C, sequence II	approx. 0/0 ml	approx. 10/0 ml	approx. 20/0 ml	approx. 0/0 ml
Ignition Point	approx. 388 °C	approx. 396 °C	approx. 396 °C	approx. 404 °C
ISO viscosity grade, DIN ISO 3448, ISO VG	32	46	68	100
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 5.7 mm ² /s	approx. 7.6 mm ² /s	approx. 10.0 mm ² /s	approx. 13.3 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 31 mm ² /s	approx. 44 mm ² /s	approx. 64 mm ² /s	approx. 95 mm ² /s

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Characteristics	SH-32	SH-46	SH-68	SH-100
Viscosity index, ASTM D2270	approx. 124	approx. 139	approx. 141	approx. 139
Copper corrosion, ASTM D130, 24 h, 100°C	1 - 100 - 24 corrosion degree	1 - 100 - 24 corrosion degree	1 - 100 - 24 corrosion degree	1 - 100 - 24 corrosion degree
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -59 °C	approx. -40 °C	approx. -39 °C	approx. -42 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 months	60 months	60 months	60 months

Characteristics	SH-150
Article number	340153
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 54°C	-
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 82°C	40-40-0 (20) ml (min)
Density	0.885 g/cm ³
Density, 20°C	approx. 0.885 g/cm ³
Flash point, ASTM D92, Cleveland open cup	≥ 260 °C
Foam test, ISO 6247 / ASTM D892, 24°C, sequence I	approx. 0/0 ml
Foam test, ISO 6247 / ASTM D892, 24°C, sequence III	approx. 0/0 ml
Foam test, ISO 6247 / ASTM D892, 93.5°C, sequence II	approx. 0/0 ml
Ignition Point	approx. 404 °C
ISO viscosity grade, DIN ISO 3448, ISO VG	150
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 16.3 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 143 mm ² /s
Viscosity index, ASTM D2270	approx. 133
Copper corrosion, ASTM D130, 24 h, 100°C	1 - 100 - 24 corrosion degree
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -42 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 months

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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.

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