Product information

SBL FG Series

Synthetic blower lubricants

Your benefits at a glance

- Extended lubricant life (up to 4,000 hours with oil analysis)
- Reduced operating temperatures
- Better corrosion protection
- Enhanced low and high temperature lubricating properties
- Longer blower life with reduced wear
- Lower maintenance costs

Your requirements - our solution

Summit SBL Food Grade Series synthetic lubricants are formulated to provide maximum lubrication protection and service for all positive displacement blowers including Roots, Gardner-Denver, Sutorbilt and Duroflow. The SBL synthetic lubricants exceed the specification requirements for all of the major manufacturers of positive displacement blowers and are compatible with most commonly used seal materials.

These fully synthetic lubricants are NSF Registered and meet USDA 1998 (H1) guidelines (lubricants with incidental food contact). Summit is an ISO 21469 certified facility.

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	SBL-100F	SBL-220F	SBL-320F
Article number	340313	340142	340144
Service temperature, lower limit	-35 °C	-	-
Service temperature, upper limit	135 °C	-	-
NSF H1 registration number	146317	139587	139588
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 82°C	40-40-0 (10) ml (min)	-	-
Density	0.837 g/cm³	0.848 g/cm³	0.852 g/cm³
Density, 20°C	approx. 0.837 g/cm³	approx. 0.844 g/cm³	approx. 0.847 g/cm³
Fire point, Cleveland open cup	-	≥ 285 °C	≥ 285 °C
Flash point, ASTM D92, Cleveland open cup	≥ 240 °C	≥ 250 °C	≥ 250 °C
Foam test, ISO 6247 / ASTM D892, 24°C, sequence I	≤ 150/10 ml	-	-
Foam test, ISO 6247 / ASTM D892, 24°C, sequence III	≤ 150/10 ml	-	-
Foam test, ISO 6247 / ASTM D892, 93.5°C, sequence II	≤ 75/10 ml	-	-
ISO viscosity grade, DIN ISO 3448, ISO VG	100	220	320
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 14.4 mm²/s	approx. 25.8 mm²/s	approx. 32.7 mm²/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 104 mm²/s	approx. 230 mm²/s	approx. 320 mm²/s
Viscosity index, ASTM D2270	approx. 143	approx. 143	approx. 143
Copper corrosion, ASTM D130, 24 h, 100°C	1 - 100 - 24 corrosion degree	-	-

a brand of KLÜBER LUBRICATION

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Copper corrosion, ASTM D130, 3 h, 100°C	-	1 - 100 - 3 corrosion degree	1 - 100 - 3 corrosion degree
Steel corrosion, DIN ISO 7120 / ASTM D665, method A, 24 h, 60°C	rust-free	-	-
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -54 °C	approx. -45 °C	approx. -42 °C
FZG scuffing test, DIN ISO 14635-1, A / 8.3 / 90, failure load stage	≥ 12	≥ 12	≥ 12
Mineral Oils associated with, MOAH (Mineral Oil Aromatic Hydrocarbons), (Information based on recipe. The presence of impurities, cannot be ruled out.)	Component of recipe	-	-
Mineral Oils associated with, MOSH (Mineral Oil Saturated Hydrocarbons), (Information based on recipe. The presence of impurities, cannot be ruled out.)	Component of recipe	-	-
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

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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