Product information

PS-32, 46, 68, 100, 150 RE

Sustainably engineered semi-synthetic oil for air compressors

Your benefits at a glance

- Summit RE oils are designed with re-engineered mineral oil to provide the same exceptional performance while offering an improved sustainability profile
- Contains rust and corrosion inhibitors
- Contains oxidation control agents, anti-wear compounds and defoamants
- Exceptional at controlling sludge and deposits

Your requirements - our solution

Summit PS RE Series oils are manufactured using the highest quality base stocks, including re-engineered mineral oil, additive treated with rust and corrosion inhibitors, oxidation control agents, anti-wear compounds and defoamants and are exceptional at controlling sludge and deposits.

Application

Summit PS RE Series premium synthetic blend lubricants are a blend of synthetic and re-engineered petroleum base fluids specially designed for compressor applications and are useful in multi-purpose applications. The lighter grades are also well suited for gas and steam turbine applications.

Application notes

Please contact your Summit representative for specific product 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	PS-32 RE	PS-46 RE	PS-68 RE	PS-100 RE
Article number	340599	340600	340601	340597
Appearance	slightly turbid	slightly turbid	slightly turbid	slightly turbid
Colour space	yellow	yellow	yellow	yellow
Demulsifying capacity, DIN ISO 6614 /ASTM D1401	41/39/0 (23)	43/37/0 (25)	37/41/2 (17)	40/40/0 (14)
Flash point, Cleveland open cup	228 °C	239 °C	252 °C	253 °C
Foam test, ISO 6247 / ASTM D892, 24°C, sequence I	≤ 50/0 ml	≤ 50/0 ml	≤ 50/0 ml	≤ 50/0 ml
Foam test, ISO 6247 / ASTM D892, 24°C, sequence III	≤ 50/0 ml	≤ 50/0 ml	≤ 50/0 ml	≤ 50/0 ml
Foam test, ISO 6247 / ASTM D892, 93.5°C, sequence II	≤ 50/0 ml	≤ 50/0 ml	≤ 50/0 ml	≤ 50/0 ml
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	5.68 mm^2/s	7.14 mm^2/s	9.14 mm^2/s	11.6 mm^2/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	32.1 mm^2/s	46.4 mm^2/s	68.2 mm^2/s	95.2 mm^2/s
Viscosity index, DIN ISO 2909	115	113	109	110
Copper corrosion, ASTM D130, 100°C	1 - 100 - corrosion degree	1 - 100 - corrosion degree	1 - 100 - corrosion degree	1 - 100 - corrosion degree
Steel corrosion, DIN ISO 7120 / ASTM D665, method A, 24 h, 60°C	rust-free	rust-free	rust-free	rust-free

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Characteristics	PS-32 RE	PS-46 RE	PS-68 RE	PS-100 RE
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	-36 °C	-31 °C	-34 °C	-32 °C
Four-ball tester: wear characteristics, DIN 51350-3, wear scar diameter	0.35 mm	0.3 mm	0.35 mm	0.38 mm
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	36 months

Characteristics	PS-150 RE
Article number	340598
Appearance	slightly turbid
Colour space	yellow
Demulsifying capacity, DIN ISO 6614 /ASTM D1401	43/37/0 (12)
Flash point, Cleveland open cup	251 °C
Foam test, ISO 6247 / ASTM D892, 24°C, sequence I	≤ 50/0 ml
Foam test, ISO 6247 / ASTM D892, 24°C, sequence III	≤ 50/0 ml
Foam test, ISO 6247 / ASTM D892, 93.5°C, sequence II	≤ 50/0 ml
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	15.7 mm^2/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	148 mm^2/s
Viscosity index, DIN ISO 2909	110
Copper corrosion, ASTM D130, 100°C	1 - 100 - 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	-31 °C
Four-ball tester: wear characteristics, DIN 51350-3, wear scar diameter	0.38 mm
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 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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