Product information

RPE Series

Fully synthetic polyolester lubricants

Your benefits at a glance

- Excellent chemical and thermal stability
- Superior lubricity characteristics with steel and aluminum

Your requirements - our solution

Summit´s RPE Series are fully synthetic polyolester lubricants designed for use in refrigeration compressors using R-134A and other HFCs as the refrigerant. They have excellent chemical and thermal stability as well as superior lubricity characteristics with steel and aluminum. They are miscible with all HFCs, HCFCs, CFCs and blends. They were specifically developed for HFC refrigerants.

Application

Refrigeration compressors using R-134A and other HFCs as refrigerant

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	RPE-32	RPE-46	RPE-68	RPE-100
Article number	340524	340525	340526	340527
Colour space	colourless	colourless	colourless	colourless
Density, 20°C	approx. 0.977 g/cm³	approx. 0.978 g/cm³	approx. 0.977 g/cm³	approx. 0.974 g/cm³
Flash point, ASTM D92, Cleveland open cup	≥ 230 °C	≥ 240 °C	≥ 250 °C	≥ 260 °C
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 5.9 mm²/s	approx. 7.3 mm²/s	approx. 9.5 mm²/s	approx. 11.9 mm²/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 33 mm²/s	approx. 47 mm²/s	approx. 70 mm²/s	approx. 102 mm²/s
Viscosity index, ASTM D2270	approx. 120	approx. 119	approx. 115	approx. 107
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -51 °C	approx. -49 °C	approx. -43 °C	approx. -40 °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	RPE-120	RPE-170	RPE-220
Article number	340375	340343	340285
Colour space	colourless	colourless	colourless
Density, 20°C	approx. 0.972 g/cm³	approx. 0.970 g/cm³	approx. 0.967 g/cm³
Flash point, ASTM D92, Cleveland open cup	≥ 260 °C	≥ 260 °C	≥ 270 °C
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 13.6 mm²/s	approx. 16.5 mm²/s	approx. 19.1 mm²/s

a brand of KLÜBER LUBRICATION

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Characteristics	RPE-120	RPE-170	RPE-220
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 126 mm^2/s	approx. 174 mm^2/s	approx. 219 mm^2/s
Viscosity index, ASTM D2270	approx. 104	approx. 100	approx. 98
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -34 °C	approx. -31 °C	approx. -27 °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

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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