

# RPE-744 Series

Synthetic polyolester lubricant



## Your benefits at a glance

- Excellent chemical and thermal stability for long life operation
- Excellent wear protection, even under extreme operating conditions

## Your requirements - our solution

Summit RPE-744 Series is a fully synthetic polyolester lubricant specifically designed for use in refrigeration compressors using carbon dioxide (R744) as the refrigerant.

RPE-744-Series is miscible with carbon dioxide and offers superior hydrolytic stability and corrosion resistance.

## Application

Refrigeration compressors using carbon dioxide (R744) as the 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-744-68	RPE-744-85	RPE-744-100	RPE-744-110
Article number	340487	340479	340488	340444
Density	0.977 g/cm <sup>3</sup>	0.971 g/cm <sup>3</sup>	0.974 g/cm <sup>3</sup>	0.973 g/cm <sup>3</sup>
Flash point	225 °C	> 250 °C	225 °C	265 °C
Kinematic viscosity, 100°C	9.6 mm <sup>2</sup> /s	10.7 mm <sup>2</sup> /s	11.8 mm <sup>2</sup> /s	12.6 mm <sup>2</sup> /s
Kinematic viscosity, 40°C	69.1 mm <sup>2</sup> /s	83.2 mm <sup>2</sup> /s	95.2 mm <sup>2</sup> /s	104 mm <sup>2</sup> /s
Viscosity index	118	113	114	114
Copper corrosion	1 - - corrosion degree	1 - - corrosion degree	1 - - corrosion degree	1 - - corrosion degree
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346, based on standard	-46 °C	-43 °C	-43 °C	-40 °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	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.

Summit Lubrication a brand of Klüber Lubrication NA LP /  
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