

RPS Series

Synthetic refrigeration compressor



Your benefits at a glance

- Minimal oil carryover guarantees improved thermal efficiency and productivity gains
- Reduced maintenance downtime
- Superior lubricity and wear protection due to high viscosity index, non-foaming characteristics and high chemical stability in the presence of ammonia

Your requirements - our solution

Summit RPS Series are specially formulated polyalkylene glycol (PAG) synthetic ammonia compressor lubricants designed to function in ammonia refrigeration systems utilizing direct expansion (DX) evaporators and rotary screw compressors. Summit RPS

Series is unique in its optimum miscibility with ammonia allowing easier oil return to the compressor with no oil accumulation inside the system.

Application notes

Summit RPS Series lubricants are not compatible with petroleum-based lubricants.

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	RPS 52	RPS-100
Article number	340102	340201
Density	1.04 g/cm ³	1.034 g/cm ³
Flash point	210 °C	227 °C
Kinematic viscosity, 100°C	11.1 mm ² /s	19.2 mm ² /s
Kinematic viscosity, 40°C	52.0 mm ² /s	96.3 mm ² /s
Viscosity index	213	223
Pour point	-51 °C	-48 °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

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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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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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