

RHT Series

Refrigeration compressor



Your benefits at a glance

Besides providing value-added benefits in the areas of improved system efficiency and higher productivity, the performance advantages of Summit RHT Series oils versus naphthenic oils include:

- Lower wax content versus "essentially" or "virtually" wax free oils marketed by competitors
- Reduced oil carryover
- Superior cleanliness
- Superior chemical and thermal stability
- Enhanced wear protection
- Lower foaming tendency
- Extended oil drain interval capability
- Less oil make-up

Your requirements - our solution

Summit RHT Series Performance Plus oils are a highly refined, hydrotreated ammonia compressor lubricants, specially designed to function under the stringent requirements of closed-loop ammonia refrigeration systems.

Application

Summit RHT Series Performance Plus oils are exceptionally well suited for rotary screw and reciprocating compressors in ammonia service.

Application notes

Summit RHT Series Performance Plus oils are compatible with naphthenic and other hydrotreated paraffinic-based compressor oils for ammonia service, as well as PAO and alkylbenzene-based products. They are compatible with all seal elastomers commonly used in these systems including Buna-N, NBR and Neoprene.

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	RHT-32	RHT-46	RHT-68	RHT-100
Article number	340117	340118	340477	340116
Density	0.853 g/cm ³	0.858 g/cm ³	0.86 g/cm ³	0.87 g/cm ³
Flash point	200 °C	200 °C	240 °C	240 °C
Kinematic viscosity, 100°C	5.3 mm ² /s	6.6 mm ² /s	8.9 mm ² /s	11.4 mm ² /s
Kinematic viscosity, 40°C	31.2 mm ² /s	44.2 mm ² /s	67.2 mm ² /s	104.6 mm ² /s
Viscosity index	103	103	106	97
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346, based on standard	-46 °C	-47 °C	-39 °C	-39 °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 /
9010 County Road 2120, Tyler, TX 75707 /
Phone: +1 800 749 5823 / www.klsummit.com

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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