Product information

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
NSF H2 registration number	146356	146357	145541	146358
Density, 20°C	approx. 0.851 g/cm³	approx. 0.856 g/cm³	approx. 0.863 g/cm³	approx. 0.869 g/cm³
Flash point, ASTM D92, Cleveland open cup	≥ 205 °C	≥ 220 °C	≥ 240 °C	≥ 240 °C
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	approx. 5.6 mm²/s	approx. 7.1 mm²/s	approx. 8.8 mm²/s	approx. 11.5 mm²/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 31 mm²/s	approx. 46 mm²/s	approx. 67 mm²/s	approx. 102 mm²/s
Viscosity index, ASTM D2270	approx. 118	approx. 112	approx. 103	approx. 98
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -46 °C	approx. -41 °C	approx. -40 °C	approx. -37 °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

a brand of KLÜBER LUBRICATION

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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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