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Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current.

REFRIGERATION COMPRESSOR

RHT Series

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. 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 the “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

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

Physical Properties

PRODUCTS	RHT-32	RHT-46	RHT-68	RHT-100
ISO Grade	32	46	68	100
Viscosity				
@ 40°C, cSt	31.2	44.2	67.2	104.6
@ 100°C, cSt	5.3	6.6	8.9	11.4
Viscosity Index	103	103	106	97
Specific Gravity, 60°F	0.862	0.866	0.865	0.871
Flash Point, °F (°C)	455(229)	480(250)	485(251)	515(268)
Pour Point, °F (°C)	-51(-46)	-53(-47)	-43(-42)	-38(-39)
NSF Registered	H2	H2	H2	H2

Shelf Life: Product shelf life is 3 years from the date of manufacture, after which the product should be recertified prior to use.