

Product Data Sheet

Manufactured by Klüber Lubrication NA LP • P.O. Box 131359 • Tyler, CR 2120, Texas 75713, under license from Brautek LLC

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FRIEREN SERIES

Frieren RT 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 Frieren RT 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

Frieren 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	RT-32	RT-46	RT-68	RT-100
ISO Grade	32	46	68	100
Specific Gravity, 60°F	0.8621	0.8671	0.8670	0.8752
Viscosity @ 40°C, cSt	31.18	42.55	70	100.94
@ 100°C, cSt	5.32	6.44	8.8	11.26
Viscosity Index	103	100	98	97
Flash Point, °F (°C)	455 (229)	460 (238)	475 (246)	515 (268)
Pour Point, °F (°C)	-53 (-47)	-49 (-45)	-45 (-43)	-40 (-40)

Shelf Life: Product shelf life is 5 years from the date of manufacture, after which the product should be recertified prior to use.