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Klüber Lubrication NA LP • 9010 County Road 2120, Tyler TX • +1 903 534 8021 • sales@klsummit.com

# 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.

## SYNTHETIC REFRIGERATION COMPRESSOR

### R SERIES

*Summit R Series synthetic hydrocarbon refrigeration lubricants are designed to function under severe service conditions. These fluids have a very high viscosity index, contain no paraffin and are compatible with various fluorinated refrigerants, ammonia, methyl chloride and carbon dioxide. The Summit R Series is completely miscible with petroleum-based fluids.*

*These fully synthetic lubricants are NSF Registered and meet USDA 1998 (H1) guidelines (lubricants with incidental food contact). Summit R Series lubricants are Kosher approved and Halal certified. Summit is an ISO 21469 certified facility.*

### Physical Properties

PRODUCTS	R-100	R-150	R-200	R-300	R-400	R-500
ISO Grade	32	46	68	100	150	220
Specific Gravity	0.825	0.8323	0.8357	0.8480	0.840	0.847
Viscosity						
@ 40°C, cSt	31.0	45.8	68.9	104.3	153.8	218
@ 100°C, cSt	5.9	7.80	10.7	15.0	20.0	25.2
Viscosity Index	135	136	145	146	147	146
Pour Point, °F (°C)	-87 (-66)	-78 (-61)	-71 (-57)	-45 (-43)	-53 (-47)	-53 (-47)
Flash Point, °F (°C)	485 (252)	510 (266)	525 (274)	555 (309)	540 (277)	540 (277)
Fire Point, °F (°C)	520 (271)	530 (277)	540 (282)	555 (291)	590 (310)	590 (310)
NSF Registered	H1	H1	H1	H1	H1	H1
ISO 21469	Yes	Yes	Yes	Yes	Yes	Yes
Kosher Approved	Yes	Yes	Yes	Yes	Pending	Yes
Halal Certified	Yes	Yes	Yes	Yes	Pending	Yes

**R-100, R-150 & R-200** are designed to operate in rotary compressors  
**R-300, R-400 & R-500** are designed to operate in reciprocating compressors

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