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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.

SYNTHETIC REFRIGERATION COMPRESSOR

RPS Series

Summit RPS Series are specially formulated polyalkylene glycol (PAG) synthetic ammonia compressor lubricants designed to function in ammonia refrigeration systems utilizing direct expansion (DX) evaporators and rotary screw compressors. Summit RPS Series is unique in its optimum miscibility with ammonia allowing easier oil return to the compressor with no oil accumulation inside the system. Minimal oil carryover guarantees improved thermal efficiency and productivity gains with reduced maintenance downtime.

In addition, Summit RPS Series offers superior lubricity and wear protection due to a high viscosity index, non-foaming characteristics and high chemical stability in the presence of ammonia.

Physical Properties

PRODUCTS	RPS-52	RPS-100
Viscosity @ 40°C, cSt	52.0	96.3
@ 100°C, cSt	11.1	19.2
Viscosity Index	213	223
Specific Gravity @ 20°C	1.033	1.045
Pour Point, °F (°C)	-60 (-51)	-55 (-48)
Flash Point, °F (°C)	430 (221)	500 (260)
NSF Registered	H1	H1

Summit RPS Series lubricants are not compatible with petroleum-based lubricants.

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