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Klüber Lubrication NA LP • 9010 CR 2120 Tyler, Texas 75707 • Phone 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 VACUUM PUMPS

SHV SERIES

The *Summit SHV Series* is formulated from vacuum distilled ultra-pure synthetic hydrocarbon base stock to provide an extremely low vapor pressure vacuum pump lubricant. These non-foaming fluids have excellent water separation and provide protection against wear, rust and corrosion. The *SHV Series* is an extended life lubricant designed to function in applications subject to severe temperature and environmental conditions.

Physical Properties

PRODUCTS	SHV-15	SHV-22	SHV-32	SHV-46	SHV-68	SHV-100
ISO Grade	15	22	32	46	68	100
Viscosity						
@ 40°C, cSt	15.2	21.2	29.9	43.2	63.7	93.0
@ 100°C, cSt	3.54	4.51	5.70	7.31	9.60	12.5
@ 100°F, SUS	83.2	110	154	221	327	482
@ 210°F, SUS	38.2	41.4	45.3	50.7	58.7	69.8
Viscosity Index	113	129	134	133	132	130
Pour Point, °F	-70	-80	-80	-38	-44	-40
(°C)	(-57)	(-62)	(-62)	(-39)	(-42)	(-40)
Flash Point, °F	415	430	490	505	520	510
(°C)	(213)	(221)	(254)	(263)	(271)	(266)
Autoignition Point						
°F	710	720	730	740	745	760
(°C)	(377)	(382)	(387)	(393)	(396)	(404)
Copper Strip Corrosion	1A	1A	1A	1A	1A	1A
Emulsion Tendency	40/40/0 (10 mins.)	40/40/0 (10 mins.)	40/40/0 (10 mins.)	40/40/0 (10 mins.)	40/40/0 (10 mins.)	40/39/0 (15 mins.)
Vapor Pressure, mm Hg. (Modified ARS 184-R1)						
100°F	<0.00047	<0.00040	<0.00030	<0.00020	<0.00010	<0.00004
200°F	<0.00101	<0.00080	<0.00062	<0.00056	<0.00050	<0.00018
300°F	<0.00190	<0.00170	<0.00160	<0.00145	<0.00130	<0.00085

The Summit SHV Series are compatible with commonly used seal and gasket materials in vacuum pump service.

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

