Product information

SHV Series

Synthetic vacuum pumps

Your benefits at a glance

- Excellent water separation
- Provide protection against wear, rust and corrosion

Your requirements - our solution

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.

Application notes

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

Material safety data sheets

Material safety data sheets can be requested via our website https://www.klsummit.com. You may also obtain them through your contact person at Summit Lubrication.

Characteristics	SHV-15	SHV-22	SHV-32	SHV-46
Article number	340159	340160	340161	340162
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 54°C	40/40/0 (10) ml (min)	40/40/0 (10) ml (min)	40/40/0 (10) ml (min)	40/40/0 (10) ml (min)
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 82°C	-	-	-	-
Density, 20°C	approx. 0.824 g/cm³	approx. 0.828 g/cm³	approx. 0.831 g/cm³	approx. 0.837 g/cm³
Flash point, ASTM D92, Cleveland open cup	≥ 200 °C	≥ 215 °C	≥ 235 °C	≥ 240 °C
Ignition Point, ASTM E695	approx. 377 °C	approx. 382 °C	approx. 387 °C	approx. 393 °C
ISO viscosity grade, DIN ISO 3448, ISO VG	15	22	32	46
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 3.7 mm²/s	approx. 4.7 mm²/s	approx. 5.8 mm²/s	approx. 7.6 mm²/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 16.0 mm²/s	approx. 22.3 mm²/s	approx. 31.1 mm²/s	approx. 46.0 mm²/s
Viscosity index, ASTM D2270	approx. 118	approx. 133	approx. 132	approx. 132
Copper corrosion, ASTM D130, 3 h, 100°C	1 - 100 - 3 corrosion degree	1 - 100 - 3 corrosion degree	1 - 100 - 3 corrosion degree	1 - 100 - 3 corrosion degree
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -75 °C	approx. -71 °C	approx. -65 °C	approx. -60 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 months	60 months	60 months	60 months

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SHV Series

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Characteristics	SHV-68	SHV-100
Article number	340163	340158
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 54°C	40/40/0 (10) ml (min)	-
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 82°C	-	40/40/0 (15) ml (min)
Density, 20°C	approx. 0.839 g/cm³	approx. 0.860 g/cm³
Flash point, ASTM D92, Cleveland open cup	≥ 245 °C	≥ 240 °C
Ignition Point, ASTM E695	approx. 396 °C	approx. 404 °C
ISO viscosity grade, DIN ISO 3448, ISO VG	68	100
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 9.8 mm²/s	approx. 13.3 mm²/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 65.5 mm²/s	approx. 99 mm²/s
Viscosity index, ASTM D2270	approx. 131	approx. 133
Copper corrosion, ASTM D130, 3 h, 100°C	1 - 100 - 3 corrosion degree	1 - 100 - 3 corrosion degree
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -57 °C	approx. -51 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 months	36 months

Summit Lubrication

Your expert in specialty lubricants. Since 1982, we have partnered with you to bring you the right solution and advanced lubrication technologies. With over 500 products, from air and gas compressor oils to refrigeration oils, we develop top-of-the-line products tailored to your specific needs. Your success is our success.

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