Klüber Summit SH 32, 46, 68, 100

Synthetic air compressor oils for oil change intervals up to 10,000 operating hours

Benefits for your application

- **Low maintenance and operating costs due to extended oil change intervals up to 10,000 operating hours in oil-injected screw-type compressors**
- **Easy compressor oil conversion due to neutral behaviour of oils towards seals**
- **Low tendency to evaporation ensures clean (oil-free) compressed air and oil-free compressed air ductwork system, no unnecessary cleaning or failure of gummed pneumatic valves**
- **Low formation of oxidation residues in the oil circuit, reduced operating costs due to extended oil filter and separator life**

Description

Klüber Summit SH oils are air compressor oils based on synthetic hydrocarbon and additives. They can be mixed with mineral oils and synthetic hydrocarbon oils, however are not miscible with polyglycol oils.

Application

Klüber Summit SH oils have been designed especially for the lubrication of highly loaded, oil-injected screw-type compressors with oil change intervals up to 10,000 operating hours.

Klüber Summit SH oils can also be used for compressors that were previously run with mineral oils. They are neutral towards most elastomer seals used in air compressors, therefore leakage is not to be expected.

Klüber Summit SH 32 is especially suitable for centrifugal compressors and Klüber Summit SH 100 for reciprocating piston compressors.

Klüber Summit SH oils offer good oxidation stability due to the synthetic base oil, thus minimizing oxidation residues in the compressors and extending oil change intervals and the service life of oil filters and separators. Special inhibitors contained in the oils keep the inside of compressors clean.

Owing to the evaporation stability of the base oil, the oil vapour content in the compressed air can be considerably reduced compared to conventional mineral oils. This contributes to a reduction of oil consumption and clean compressed air; gumming of pneumatic valves in the compressed air circuit can be prevented as well due to the low oil content of the Klüber Summit SH oils.

Application notes

When selecting the oil viscosity for air compressors please observe the manufacturers' instructions.

When switching a used compressor to a Klüber Summit SH oil, drain old oil from whole circuit of compressor while still warm. We also recommend changing all oil filters and separators. Then refill the compressor with Klüber Summit SH oil.

When switching from mineral oil to a synthetic Klüber Summit SH oil please consider that the compressor may contain oxidation residues in the form of blackened or contaminated oil. As such residues can affect the service life of the fresh Klüber Summit SH oil, the compressor should be cleaned using the Klüber Summit Varnasolv conditioner (cf. product information leaflet).

Your contact persons at Klüber Lubrication would be pleases to provide further information.

After switching to a Klüber Summit SH oil we recommend determining the oil change interval through an oil analysis or the Klüber Summit TAN Kit.

Minimum shelf life

The minimum shelf life is approx. 60 months from the date of manufacture if the product is stored in its unopened original container in a dry, frost-free place.

Material safety data sheets

Material safety data sheets can be downloaded or requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

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Pack sizes	Klüber Summit SH 32	Klüber Summit SH 46	Klüber Summit SH 68	Klüber Summit SH 100
Drum 208 l	+	+	+	+
Canister 19 l	+	+	+	+

Product data	Klüber Summit SH 32	Klüber Summit SH 46	Klüber Summit SH 68	Klüber Summit SH 100
Article number	050004	050005	050006	050007
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 5.8 mm^2/s	approx. 7.3 mm^2/s	approx. 9.8 mm^2/s	approx. 13.1 mm^2/s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 32 mm^2/s	approx. 46 mm^2/s	approx. 68 mm^2/s	approx. 100 mm^2/s
Viscosity index, DIN ISO 2909	>= 115	>= 115		>= 115
Density, DIN 51757, 20 °C	approx. 0.85 g/cm^3	approx. 0.85 g/cm^3	approx. 0.86 g/cm^3	approx. 0.86 g/cm^3
Pour point, DIN ISO 3016	<= -51 °C	<= -36 °C	<= -36 °C	<= -33 °C
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 230 °C	>= 240 °C	>= 240 °C	>= 240 °C
Copper corrosion, DIN EN ISO 2160, 24 h/100°C	1 - 100 corrosion degree	1 - 100 corrosion degree	1 - 100 corrosion degree	1 - 100 corrosion degree
Foam test, ASTM-D 892, ISO 6247, sequence I/24 °C	50/0 ml	<= 50/0 ml	50/0 ml	50/0 ml
Foam test, ASTM-D 892, ISO 6247, sequence II/ 93.5 °C	50/0 ml	<= 50/0 ml	50/0 ml	50/0 ml
Foam test, ASTM D 892, ISO 6247, sequence III/24°C	50/0 ml	<= 50/0 ml	50/0 ml	50/0 ml
Demulsifying capacity, DIN 51599, ASTM D 1401, at 54 °C	40/37/3 ml	40/37/3 ml	40/37/3 ml	40/37/3 ml
Appearance	clear	clear	clear	clear
Colour space	colourless	colourless	colourless	colourless



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Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 80 years.

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