Klüber Summit PS 100, 150, 200, 300, 400

Semi-synthetic air compressor oils for oil change intervals up to 5,000 operating hours



Benefits for your application

- **Low maintenance and operating costs due to oil change intervals up to 5,000 operating hours in oil-injected screw-type compressors**
- **Easier compressor oil changeover due to neutral behaviour of oils towards seals**
- **Good soil dissolving capacity, clean oil circuit due to the ester content in the oil, reduction of cleaning costs**
- **Low formation of oxidation residues in the oil circuit, reduced operating costs due to extended oil filter and separator life**

Description

Klüber Summit PS oils are air compressor oils based on hydrogenated mineral oil, synthetic ester oil and additives. Klüber Summit PS oils are miscible with mineral oils and synthetic hydrocarbons, but not with oils based on polyglycol.

Application

Klüber Summit PS oils have been especially designed for the lubrication of screw-type and reciprocating piston compressors. They are used for oil change intervals up to 5,000 operating hours in oil-injected screw-type compressors.

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

Klüber Summit PS oils are used for compressors which do not achieve the desired maintenance intervals when using mineral oils and where the use of fully synthetic oils would be uneconomical due to ingress of contamination or a low number of operating hours per year.

Klüber Summit PS 100 can also be used for the lubrication of turbocompressors, whereas Klüber Summit PS 300 and 400 have been especially developed for reciprocating piston compressors.

Klüber Summit PS oils offer good oxidation stability due to the synthetic base oil content, thus minimising oxidation residues in the compressors and extending oil change intervals and the service life of oil filters and separators. Special inhibitors contained in the oil keep the inside of compressors clean and ensure a high efficiency.

Application notes

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

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

When switching from mineral oil to a Klüber Summit PS 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 PS oil, the compressor should be cleaned using the Klüber Summit Varnasolv conditioner.

For further information, please consult the Klüber Summit Varnasolv product information leaflet or contact Klüber Lubrication.

After switching to a Klüber Summit PS 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. 36 months 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 PS 100	Klüber Summit PS 150	Klüber Summit PS 200	Klüber Summit PS 300	Klüber Summit PS 400
Canister 19 l	+	+	+	+	+
Drum 208 l	+	+	+	+	+

Product data	Klüber Summit PS 100	Klüber Summit PS 150	Klüber Summit PS 200	Klüber Summit PS 300	Klüber Summit PS 400
Article number	050052	050053	050054	050055	050056
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 5.5 mm^2/s	approx. 6.8 mm^2/s	approx. 8.4 mm^2/s	approx. 10.6 mm^2/s	approx. 14.3 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	approx. 150 mm^2/s
Viscosity index, DIN ISO 2909	>= 90	>= 90	>= 90	>= 90	>= 90
Density, DIN 51757, 20 °C	approx. 0.87 g/cm^3	approx. 0.87 g/cm^3	approx. 0.88 g/cm^3	approx. 0.88 g/cm^3	approx. 0.88 g/cm^3
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 200 °C	>= 210 °C	>= 230 °C	>= 240 °C	>= 240 °C
Pour point, DIN ISO 3016	<= -30 °C	<= -30 °C	<= -27 °C	<= -30 °C	<= -27 °C
Copper corrosion, DIN EN ISO 2160, 3 h/100 °C	1 - 100 corrosion degree	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	<= 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	<= 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	<= 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		
Demulsifying capacity, DIN ISO 6614, ASTM D 1401 at 82 °C				40/37/3 ml	40/37/3 ml
Colour space	colourless	colourless	colourless	colourless	colourless
Appearance	clear	clear	clear	clear	clear



Product information

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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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