

KLÜBER SUMMIT SH 46 20 LTR CANISTER

Product group: **683** Product number: **210080**

KLÜBER SUMMIT SH 46 is a synthetic air compressor oil for oil change intervals up to 10,000 operating hours

Product information

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.

Features

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.

Benefits

- Low maintenance and operating costs due to extended oil change intervals up to 10,000 operating hours in oilinjected screw-type compressors
- Easy compressor oil conversion due to neutral behaviour of oils towards seals
- Low tendency to evaporation and thus low impact of the oil vapour on the compressed air
- Longer servie life of the oil filters, activated carbon filters and oil separators
- Low formation of oxidation residues in the oil circuit, reduced operating costs due to extended oil filter and separator life



Specification

General

Invent Hazard Material (IMO/EU) classification	C-3
--	-----

Dimensions/Weight

Packing Size	20 LTR
--------------	--------

Performance data

"Copper corrosion, DIN EN ISO 2160, 24 h/100°C"	1 - 100 corrosion degree
Demulsifying capacity, DIN 51599, ASTM D 1401, at 54 °C	40/37/3 ml
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus [°C]	>= 240
Foam test, ASTM-D 892, ISO 6247, sequence I/24 °C [ml]	<=50/0 ml
Foam test, ASTM-D 892, ISO 6247, sequence II/ 93.5 °C [ml]	<=50/0 ml
Foam test, ASTM-D 892, ISO 6247, sequence III/24°C [ml]	<=50/0 ml
Pour point, DIN ISO 3016 [°C]	< -36

Physical properties

Appearance	clear
Colour	colourless
Density at 20°C [g/cm ³]	approx. 0.85
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C [mm ² /s]	approx. 7.3
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C [mm ² /s]	approx. 46

Technical data

Shelf life [months]	60
Viscosity index, DIN ISO 2909	>= 115

Documents

[SDoC and MD for IHM](#)

Directions for use

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.

This page is printed from:

<https://www.wilhelmsen.com/product-catalogue/products/speciality-lubricants/synthetic-oil/kluber-summit-sh-46-20-ltr-canister/>