KLÜBER LUBRICATION

Klüber Summit® Supra 32, Supra Coolant

Fully synthetic air compressor oils based on polyglycol for oil change intervals up to 8,000 hours

Benefits for your application

- **Good miscibility of oils, hence easier conversion of compressors previously run with oils based on polyglycol**
- **Low maintenance and operating costs due to oil change intervals up to 8,000 operating hours in oil-injected screw-type compressors**
- **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 Supra oils are air compressor oils based on synthetic polyglycol and additives. They are not miscible with mineral oils and synthetic hydrocarbon oils, but miscible with other polyglycol oils.

Application

Klüber Summit Supra oils have been especially designed for oil change intervals up to 8,000 operating hours in oil-injected screw-type compressors which are prefilled by the manufacturer with polyglycol oil.

Klüber Summit Supra 32 is also suitable for the lubrication of centrifugal compressors which are prefilled by the manufacturer with polyglycol oil.

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

Klüber Summit Supra 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 and ensure a high efficiency level.

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 Supra oils in the compressed air.

Application notes

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

When switching a used compressor to a Klüber Summit Supra 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 Supra oil.

When switching from a polyglycol oil made by another manufacturer to a synthetic Klüber Summit Supra 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 Supra oil, the compressor should be cleaned using the Klüber Summit Varnasolv conditioner (cf. product information leaflet).

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

After switching to a Klüber Summit Supra 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 Supra 32	Klüber Summit Supra Coolant
Canister 19 l	+	+
Drum 208 l	+	+

Product data	Klüber Summit Supra 32	Klüber Summit Supra Coolant
Article number	050011	050012
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 7.3 mm^2/s	approx. 9.5 mm^2/s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 38 mm^2/s	approx. 55 mm^2/s
Viscosity index, DIN ISO 2909	>= 145	>= 145
Density, DIN 51757, 20 °C	approx. 0.96 g/cm^3	approx. 0.96 g/cm^3
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 230 °C	>= 240 °C
Pour point, DIN ISO 3016	<= -45 °C	<= -36 °C
Foam test, ASTM-D 892, ISO 6247, sequence I/24 °C	<= 50/0 ml	<= 50/0 ml
Foam test, ASTM-D 892, ISO 6247, sequence II/ 93.5 °C	<= 50/0 ml	<= 50/0 ml
Foam test, ASTM D 892, ISO 6247, sequence III/24°C	<= 50/0 ml	<= 50/0 ml
Appearance	clear	clear
Colour space	yellow	yellow

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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