

Klüber Summit TM 15

Air compressor oil enabling oil change intervals up to 3,000 operating hours



Benefits for your application

- **Low maintenance and operating costs due to oil change intervals of up to 3,000 operating hours in oil-injected screw-type compressors using ISO VG 46 oil**
- **Good capacity for dissolving residues, leading to a cleaner oil circuit**
- **Low formation of oxidation residues in the oil circuit**
- **Good separation and processing of condensate**

Description

Klüber Summit TM 15 is an ISO VG 46 air compressor oil based on a hydrogenated mineral oil with additives. This oil is miscible with mineral oils and synthetic hydrocarbons. Klüber Summit TM 15 is not miscible with oils based on polyglycol.

Application

Klüber Summit TM 15 was especially developed for the lubrication of screw-type and reciprocating piston compressors. This oil is intended for oil change intervals of up to 3,000* operating hours in oil-injected screw-type compressors.

Used compressors can be converted from conventional mineral oils to Klüber Summit TM 15, which is neutral towards most elastomers typically used in air compressors - no leakage is to be expected.

Klüber Summit TM 15 was developed for compressors where the use of fully synthetic oils is undesirable or where such oils would not make sense economically due to a limited number of operating hours per year.

It has a synthetic base oil component, providing good resistance to oxidation, reducing the formation of residues in the compressor. The oil contains specific inhibitors to keep compressors clean to improve compressor efficiency.

*Under normal operating conditions, i.e. discharge temperature max. 85 °C, final discharge pressure max. 8 bar, dry and clean intake air and circulation rate of the oil in the compressor less than 1.5. For higher temperatures, please turn to your contact at Klüber Lubrication.

Application notes

When selecting the oil viscosity for air compressors, please observe the manufacturer's instructions.

When switching a used compressor to Klüber Summit TM 15, 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 TM 15. Incompatibility reactions due to the changeover or mixing with the previously used oil are not expected.

Optional:

If the previously used oil was a mineral oil, oxidation residues may be present in the compressor. Typical symptoms are black discoloration or impurities in the previously used oil. As such residues can affect the service life of the fresh Klüber Summit TM 15 oil, we recommend cleaning the compressor with Klüber Summit Varnasolv prior to changeover.

For further information please turn to your contact person at Klüber Lubrication or see the product information leaflet on Klüber Summit Varnasolv.

After changing over to Klüber Summit TM 15, we recommend determining the oil change interval through an oil analysis or the Klüber Summit TAN Kit.

Material safety data sheets

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

Pack sizes	Klüber Summit TM 15
Canister 3.8 l	+
Canister 19 l	+
Drum 208 l	+
Container 1040 l	+



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Product data	Klüber Summit TM 15
Article number	050110
Appearance	clear
Density, DIN 51757, 20 °C	approx. 0.87 g/cm ³
Colour space	colourless
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 220 °C
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 46 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 6.7 mm ² /s
Viscosity index, DIN ISO 2909	>= 90
Copper corrosion, DIN EN ISO 2160, 3 h/100 °C	1 - 100 corrosion degree
Pour point, DIN ISO 3016	<= -30 °C
Demulsifying capacity, DIN 51599, ASTM D 1401, at 54 °C	40/37/3 ml
Foam test, ASTM-D 892, ISO 6247, sequence I/24 °C	<= 50/0 ml
Foam test, ASTM-D 892, ISO 6247, sequence II/ 93.5 °C	<= 50/0 ml
Foam test, ASTM D 892, ISO 6247, sequence III/24°C	<= 50/0 ml
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months

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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