

# Klüber Summit T.A.N.-Kit

Easy and quick test method to check the ageing condition of compressor oils



## Benefits for your application

- **Rapid way of checking the condition (neutralization number) of compressor oils on the spot**
- **Suitable for determining the compressor oil change intervals**
- **Easy handling and determination of the neutralization number thanks to the simple set-up according to instructions enclosed**
- **Can be used for all conventional mineral and synthetic compressor oils**

## Description

Klüber Summit T.A.N.-Kit consists of a pipette (1 ml), a glass vial containing the test fluid and a cloth, all packed in a plastic bag.

## Application

The Klüber Summit T.A.N.-Kit has been especially designed for the simple and rapid determination of the neutralization number to assess the ageing condition of compressor oils on the spot.

The Klüber-Summit T.A.N. kit can be used to test all conventional mineral and synthetic compressor oils. The T.A.N. kit measures the neutralization number in the range of 0 to 2 mg KOH/g and is therefore suitable for compressor oils. However, it should not be used for oils with a neutralization number above 2.0 mg KOH/g (of fresh oil).

## Application notes

Draw a sample of the used oil tested to the 1 ml mark of the graduated pipette. Wipe off the excess oil on the outside of the tube with the provided cloth and add the content of the pipette to the glass vial. Draw the solution in the vial into the pipette and squeeze it back several times in order to completely transfer all of the oil into the vial.

Replace the vial cap and shake the vial for a few seconds. Depending on the neutralization number the color of the test solution will change:

### Blue:

If the colour of the test solution remains blue, the used oil has

suffered little ageing. The neutralization number is between 0 and 0.6 mg/KOH/g of oil.

### Green:

A green colour indicates slight aging, however the oil can still be used. The neutralization number is in a range from 0.6 to 1.3 mg KOH/g of oil.

### Brown:

If the test solution is of an orange to brown colour, the oil should be changed soon because of its advanced aging condition.

Please note that Klüber Summit T.A.N. kit offers reference values for the ageing condition of an oil but does not replace an analysis of all the items of a used oil.

When using the test kit, please observe the material safety data sheet and avoid contact with clothing and skin. Do not get in eyes.

You may also obtain support from your contact person at Klüber Lubrication.

## Minimum shelf life

The minimum shelf life is approx. 12 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](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

| Pack sizes       | Klüber Summit T.A.N.-Kit |
|------------------|--------------------------|
| Set in metal box | +                        |



## Klüber Summit T.A.N.-Kit

Easy and quick test method to check the ageing condition of compressor oils

Plastic bag containing glass vial with test solution, pipette and cloth.

| Product data              | Klüber Summit T.A.N.-Kit       |
|---------------------------|--------------------------------|
| Article number            | 050018                         |
| Density, DIN 51757, 20 °C | approx. 0.83 g/cm <sup>3</sup> |
| Appearance                | clear                          |
| Colour space              | blue                           |

### 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.

**Klüber Lubrication München KG /  
Geisenhausenerstraße 7 / 81379 München / Germany /  
phone +49 89 7876-0 / fax +49 89 7876-333.**

The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

Publisher and Copyright: Klüber Lubrication München KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München KG and if source is indicated and voucher copy is forwarded.



a company of the Freudenberg Group