

## 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

### 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).

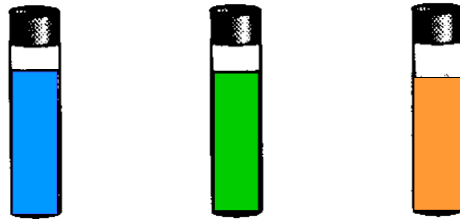
### Description

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 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 color 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 color 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 color, 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 aging 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.



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### Minimum shelf life

The minimum shelf life is approx. 12 months if the product is stored in its unopened original container in a dry, frost-free place.

### Pack size

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

### 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.

Product data	Klüber Summit T.A.N.-Kit
Color, aspect	blue, clear
Density, DIN 51757, [g/cm <sup>3</sup> ], 20°C, approx.	0.83

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