

AOK is suitable for all oil and refrigerant mixtures. Mineral and POE oils can differ in Acid number principally due to additives specified by manufacturers to reduce wear and therefore prolong compressor life.

### Features

- Quick and easy test kit
- Universal acid test kit for use with all oils: POE, mineral,...
- By changing the percentage of oil sample taken, the acid number of the oil can be determined accurately
- Phase separation of the chemicals in the kit provide a positive color change regardless of the color and condition of the oil



**AOK**

Type	Part Code Nr.
AOK-U01	804 166

### Test description

In applications where the specific Acid number of the virgin oil is known, the % fill can be selected from the graph shown or maybe selected from the table of common oils. If Acid number or virgin oil is not known, we advise to contact the compressor manufacturer for specific details.

### Test procedure

The oil test can be performed in 3 steps:

1. Add the contents of the small bottle into the large bottle and shake well. The contents will change color as indicated on the large bottle.
2. Select the Acid number from the graph or from the table. Fill the small bottle with oil to the corresponding % level (100% = up to top). Pour oil sample into large bottle containing the colored mixture and shake well
3. Wait one minute and then compare the color of the new mixture against the reference color:

**mixture pink:** acid concentration OK;  
below target set-point

**mixture clear:** acid concentration too high.

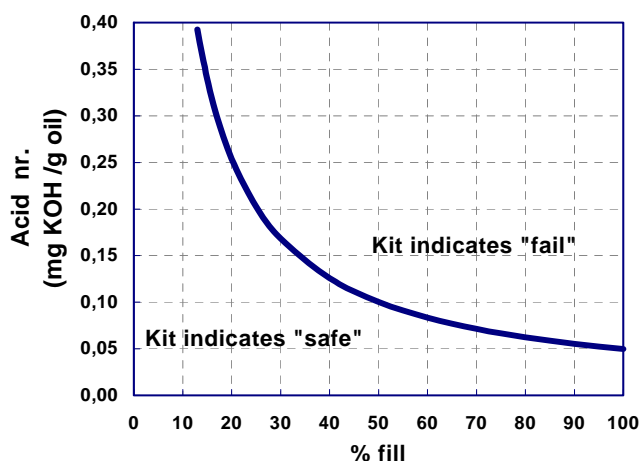
As the acid level increases above the test point, the mixture will become lighter in color. If the system provides to be acidic, i.e. mixture becomes clear, additional tests may be conducted with new test kits with smaller % fill of sample oil in order to determine the actual system acid level.

### Components / Ingredients

Contains Toluol, Methanol, Isopropanol, Stabiliser, Emulgator, Indikator based on alcohol, potash lye.

### Safety Data Sheet

Detailed information on content, transportation and waste disposal rules see safety data sheet AOK\_6539\_safe.doc.



Manufact.	Reference	Acid number TAN Mg KOL/g.oil%	Fill %
Bitzer	B 5 / BSE 32	0,05	90
Bitzer	B 5.2	<0,04	100
Bitzer	BSE 55	0,03	100
Castrol	Aircol Serie	<0,05	100
Fuchs	Triton SE & SEZ Serie	<0,03	100
Fuchs	Reniso KM32	0,02	100
Fuchs	Reniso C55E/C170E	0,03	100
Fuchs	Reniso C85E	0,02	100
Fuchs	Reniso C130E	0,15	35
Total - ELF	ACD:22/32/46/68M/100/220FY	<0,1	50
Total - ELF	ACD:150FY	<0,15	35
Exxon Mobil	Zerice S: 15/32/46/68/100	0,05	100
Exxon Mobil	Arctic EAL 22/32/46/68	<0,1	50
Exxon Mobil	Arctic SHC 224/226E/228/234	<0,1	50
Exxon Mobil	Arctic SHC 230/ SHC NH 48	<0,05	100
Uniquema	Emkarate: RL Serie	<0,05	100
Shell	RL: 1074/1069/1076/1092	<0,04	100
Shell	Clavus 15/G32/46/68/100	<0,04	100
Shell	Clavus R 22/32/46/68/100	<0,06	100
Suniso	3GS/4GS/5GS	0,01	100
Texaco	Capella WF 32/46/68	0,01	100

Data subject to change without notice. Please consult oil manufacturer for latest information.



**Universal Acid Test Kit  
AOK**

**Alco Controls**

**D A T A S H E E T**

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or damages occurred due to improper application. Our products are designed and adapted for fixed locations  
For mobile applications failures may occur.  
The suitability for this has to be assured from the plant manufacturer which may include making appropriate tests.

This document replaces all earlier versions.

	<b>Phone:</b>	<b>Fax:</b>
<b>Emerson Climate Technologies GmbH</b> <b>Holzhauser Straße 180</b> <b>D-13509 Berlin</b> <b>Germany</b> <a href="http://www.emersonclimate.eu">www.emersonclimate.eu</a>		
Benelux	+31 (0)77 324 0 234	+31 (0)77 324 0 235
Germany, Austria & Switzerland	+49 (0)6109 6059 -0	+49 (0)6109 6059 40
France, Greece, Maghreb	+33 (0)4 78 66 85 70	+33 (0)4 78 66 85 71
Italia	+39 02 961 781	+39 02 961 788 888
Spain & Portugal	+34 93 41 23 752	+34 93 41 24 2
UK & Ireland	+44 (0) 1635 876 161	+44 (0) 1635 877 111
Sweden, Denmark, Norway & Finland	+49 (0)2408 929 0	+49 (0)2408 929 528
Eastern Europe & Turkey	+49 (0)2408 929 0	+49 (0)2408 929 525
Poland	+48 (0)22 458 9205	+48 (0)22 458 9255
Russia & Cis	+7 495 981 9811	+7 495 981 9816
Balkan	+385 (0) 1560 38 75	+385 (0) 1 560 3879
Romania	+40 364 73 11 72	+40 364 73 12 98
Ukraine	+38 44 4 92 99 24	+38 44 4 92 99 28