

Product description



CoolChek

Preventive used oil analysis / examination of refrigeration oil.

Description

CoolChek is an extended oil analysis system, specially developed for the analysis of used refrigeration oil. CoolChek contains analyses that provide very specific information about the degradation stage of the oil, so that not only the operating condition of the cooling machine, but also the overall condition of the system can be improved by using CoolChek.

CoolChek also includes an analysis of the oil's content of wear metals, which makes it possible to intervene in the event of extraordinary wear and tear and will therefore be an indispensable tool for the systematic maintenance of your company's refrigeration machines.

CoolChek oil analysis is normally performed with 1000 intervals, however, it is recommended to conduct shorter analysis intervals for new systems or in connection with rebuilds.


CoolChek oil analysis is performed at our Danish laboratory and in accordance with internationally recognized and described standards. The results are assessed and commented on by Uno-X Smøreolie A/S's Product/Technical Department, including a follow up with professional guidance on how to use the analysis results.



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CoolChek contains the following measurements;

Analysis	HFC, HCFC	NH ₃	What does the measurement show?	MainTest  Laboratorium
Color / clearness	x	x	Aging, contamination and indication of water.	
Water content, ppm	x	x	Leaks in tank system or cooling system.	
Viscosity (cSt) at 40°C	x	x	Aging, contamination, or e.g. mixed with a thinner or thicker product.	
Microfiltration 0.8µ mg/lt	x	x	Measurement of dirt content, oil content of particles larger than 0.8 microns.	
SAN, mg KOH/g	x		Content of strong acids, degeneration of refrigerant.	
TAN, mg KOH/g	x		Total acid content	
pH value	x		pH value of the oil measured in a solution of toluene and isopropyl alcohol containing water.	
Oxidation, Abs/cm Nitro compounds, Abs/cm Nitration, Abs/cm	x	x	Expresses the degradation stage of the oil. The degradation products cause oil thickening, varnish deposits in the ring zone area of the piston and sludge in the compressor and system. Mixing with other products, contamination and degradation of the oil.	
Dust (Silicon), ppm	x	x	Contamination from oil filling, dust and dirt from casted machine components	
Wear metals, ppm	x	x	Wear on bearings, valves, pistons, gears, etc.	
Articelcode	15335			

CoolChek analysis kit consists of:

- 1 user manual (Danish and English)
- 5 pcs. plastic bags
- 5 pcs. labels/sample information cards
- 5 pcs. master cards
- 5 pcs. stamped sample envelopes
- 5 pcs. oil-absorbing mats
- 5 pcs. nitrile gloves
- 5 sample bottles (only suitable oil sample bottles may be used)

Approx. 3-5 working days after receipt of the sample, you will receive our analysis report. If something serious is developing, we will contact you quickly and directly by phone