

Product description



Uno-X Smøreolie 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.



Product description



CoolChek contain following measurements;

Analysis	HFC, HCFC	NH ₃	What does the measurement show?
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	I5335		

CoolChek allows for the collection of 5 oil samples. The analysis box contains the following:

- 5 sample bottles
- 5 plastic bags
- 5 shipping bags
- 5 pairs of nitrile gloves
- 5 oil absorbent mats

After approx. 3-5 working days after our laboratory has received the oil sample, the analysis report will be sent via e-mail. If there is anything serious during the process, we will contact you by phone.