

CleanChek

Preventive analysis system with particle counting

Description

CleanChek is an extended oil analysis system specially developed for analysis of used oils from systems subject to high oil purity and general oil condition requirements.

CleanChek is primarily recommended for plastics injection moulding machines, hydraulic plants, gear systems for wind turbines, circulation systems, etc. In addition, the analysis package may be used to great advantage in systems in which working components are subject to high lubrication oil purity requirements, such as e.g. high performance equipment working with small tolerances.

CleanChek is a good auxiliary tool for use by companies in systematic maintenance programs. CleanChek is performed at regular intervals of between 250 and 1000 hours depending on the type of unit involved.

As with Uno-X Smøreolie's other oil analysis systems, CleanChek oil analysis is carried out at our danish laboratory and in accordance with internationally recognised and defined standards.

CleanChek is assessed and commented on by Uno-X Smøreolie's Technical department and thus CleanChek is followed up by professional guidance in the application of analysis results.

N.B.


We would point out that particle counts cannot be undertaken in lubrication oils with viscosities at 40°C > 400-500 cSt. Moreover, highly contaminated oils will prevent correct counting of particles. A good rule-of-thumb is that if contamination in an oil sample is visible to the naked eye, the contaminant concentration is too high for particle counting. The human eye can normally only detect particles in excess of about 40 microns.



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CleanChek contains follow measurements;

Analysis	What do the analysis show	
Colour / Clearness	Aging, contamination, sedimentation, free water.	
Watercontent, ppm	Leaks in the system, external contaminants.	
Visc. (cSt) at 40°C	Contamination, oxidation, aging, mechanical degradation of VI additive, mixing with thinner or thicker products.	
TAN, mg/KOH/g	The neutralisation number for unused oil specifies the additive content. In used oils it indicates the exposure of the oil to oxidation.	
Oxidation A/cm	Expression of the oil's state of decomposition. Decomposition products cause oil to thicken, paint and sludge deposits.	
ISO 4406 Classification or NAS 1638 Classification	Measurement of the purity of used oil. Measurement of the number of particles >4 microns, >6 microns, >14 microns. Measurement of the purity of used oil. The degree of oil purity can be specified in accordance with one of the above-mentioned methods.	
Additiv Metals, ppm	Intermixture with other products, contamination and decomposition of the oil.	
Silicium, ppm	Contamination when filling oils, leaky filters on "breather pipers", dust and grime.	
Wear Metals, ppm	Wear on bearings, valves, pistons, cogs, etc.	
Productcode	I5336	

CleanChek allows the extraction of 5 oil samples. The analysis pack contains the following:

- 5 sample bottles
- 5 plastic bags
- 5 pairs nitrile gloves
- 5 master cards
- 5 oil-absorbent mats

After approx. 3-5 working days, a report will be submitted. If imminent problems are found, we will contact you directly by phone or e-mail.