

GeoChek

Preventive analysis system for gas engines

Characteristic

GeoChek is an extended used oil analysis system specially developed for the analysis of used engine oil from gas engines.

GeoChek contains analyses that in a very specific manor reveal detailed information as to the brake down stage of the oil. With GeoChek it is possible to establish the precise condition of the oil and to determine the remaining lifetime, which makes it possible to conduct an oil drain at the most optimal time.

GeoChek also includes analysis of the wear metals in the oil which makes it possible to interact in relationship to sudden wear increase.

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


GeoChek is assessed and commented on by YX Smøreolie's Technical department and is followed up by professional guidance in the application of analysis results.



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GeoChek contain following analyses:

Analysis	What does the analysis show	
Colour/Brightness	Aging, pollution and indication of water contamination.	
Water content, ppm	Leakages in tank unit or cooling system.	
Viscosity at. 100°C cSt.	Aging, pollution and/or mixed with a product having lower/higher viscosity.	
TBN - mg KOH/g	Base reserve in oil.	
Soot content, %	The total content of soot.	
TAN, mg/KOH/g	Total amount of acid in the oil.	
pH-value	The pH value in the oil measured in a solution of isopropyl-alcohol, toluene and water.	
Oxidation - Abs/cm Nitro compounds - Abs/cm Nitration - Abs/cm	Expression on the stage of brake down stage of the oil. The oxidation residue causes increase of viscosity, lacquer in the ring zone area, lacquer on piston and black sludge in the engine.	
Additive content - ppm	Mixture with another product, contamination and product degradation.	
Dust (Silicium) - ppm	Leakages in air intake systems, tank ventilation, residue of casting sand or alloys.	
Wear metals - ppm	Wear on bearings, cylinders, pistons, tooth wheels, etc.	
Productcode	I5324	

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

- 5 sample bottles
- 5 plastic bags
- 5 stamped envelopes
- 5 sample information cards
- 5 pairs nitrile gloves
- 5 master cards
- 5 oil-absorbent mats (use with any spilled oil)

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