

System:	COOL COMPRESSOR	Customer:	DAIKIN BELGIUM(DAB-EN)
Sump Capacity:	20 L	Address:	AV.FRANKLIN 1B
Lubricant:	MOBIL ARCTIC ISO 68	Your customer:	BATIMENT COFINIMO ARTS 47
Labocodenbr:	114752-hl.9	Your ref.:	
Samplenumbr:	13.10.23 B010		
Labelnumber:	100000012945		
Date sample drawn:	10.10.2023		
Sampling:	by client		

Diagnostic



Oil



Pollution



Wear



We notice two layers in the sample bottle. A cloudy yellow layer at the top and a cloudy pale yellow layer at the bottom. The oil is contaminated with a significant amount of water. Wear elements within tolerance.

Action

Results: 13.10.23 B010

Method*	Unit	Current sample
Analysis date		13/10/2023
Date of receipt		13/10/2023
Sample date		10/10/2023
H/Km Oil		?
H/Km total		?
Top up		?

Oil Condition:

Method*	Unit	Current sample
Viscosity at 40°C	ASTM D7279	cSt 61.4
Viscosity at 100°C	ASTM D7279	cSt
Viscosity-index	ASTM D2270	
Fuel dilution	ASTM D7593	%
AN	ASTM D8045	mg KOH/g 0.11
BN	ASTM D2896B	mg KOH/g
Oxidation	ASTM E2412	Abs/0.1mm
Nitration	ASTM E2412	Abs/0.1mm
PMCC	ASTM D93	°C
COC	ASTM D92B	°C
Color	ASTM D1500	

Additives:

Method*	Unit	Current sample
Ba: Barium	ASTM D5185	ppm 1
Ca: Calcium	ASTM D5185	ppm 2
Mg: Magnesium	ASTM D5185	ppm 1
P: Phosphorus	ASTM D5185	ppm 4
S: Sulfur	ASTM D5185	% 0.01
Zn: Zink	ASTM D5185	ppm 1

Pollution:

Method*	Unit	Current sample
Si: Silicium	ASTM D5185	ppm 36
B: Boron	ASTM D5185	ppm 3
Na: Sodium	ASTM D5185	ppm 3
Water	WI-0002	% 4.30
Water (KF)	ASTM D6304C	ppm
Soot content	ASTM E2412	%
Antifreeze	ASTM D2982A	
PC ISO grade	ASTM D7647	
PC Cleanliness class	ASTM D7647	
Insolubles	ASTM D4898	mg/l

Wear metals:

Method*	Unit	Current sample
Al: Aluminium	ASTM D5185	ppm 1
Cr: Chromium	ASTM D5185	ppm < 1
Cu: Copper	ASTM D5185	ppm 2
Fe: Iron	ASTM D5185	ppm 9
Mo: Molybdenum	ASTM D5185	ppm < 1
Pb: Lead	ASTM D5185	ppm 5
Sn: Tin	ASTM D5185	ppm < 1
PQ index	WI-0021	

These conclusions are based on the supplied samples and information where the representativeness and validity cannot be guaranteed. Opinions and interpretation are outside the scope of accreditation. The measurement uncertainty is available on request. Samples are destroyed 2 months after receipt. The report may only be reproduced complete. Distribution on the responsibility of the client. *Methods are modified according to specified method. (A)Accreditation. (U)Outsourced.