Alpha Maintenance Systems



Analysis Report ATLAS COPCO PTS 1600 (347357/13630)

Action

Class C

Class D

Class E

Class F

max -5°C

max -10°C

max -15°C

max -20°C

System: Sump Capacity:	DIESEL ?	Customer: ATLAS COPCO RENTAL EL Luc Despeghel	
Fuel type	FUEL GNR	Address: INDUSTRIEWEG	
Labocodenbr:	109830-NRf9		
Samplenumber:	26.05.23 S003		B- 2850 BOOM
Labelnumber:	00706114		
Date sample drawn:	12.05.2023	Your customer:	347357/13630
Sampling:	by client	Your ref.:	F/347357/13630/PTS1600

Diagnostic

Aspect: clear red. There is a visual precipitation on the bottom of the sample bottle. We notice a high sulphur content. The fuel is contaminated with a significant amount of water. No bacteria or fungi present in the fuel. For the insolubles (based on EN12662), 26 g of sample was used. For a precise result, we would like to receive 300 ml of sample. Microscopic examination of the patch shows the presence of yellow and black particles.

Results:		Current sample			26.05.23 \$003
Analysis date		26/05/2023			
Sample date		12/05/2023			
Fuel condition:			EN 590	Min	Max
Density	kg/m³			820.0	845.0
Visual		red			
S: Sulfur content	ppm	15.2			10.0
Viscosity at 40°C	cSt	2.7		2.0	4.5
Water content	ppm	5247			200
Pollution/additives:			EN 590	Min	Max
Al: Aluminium content	ppm	3			10.0
Ba: Barium content	ppm	< 1			10.0
Ca: Calcium content	ppm	1			10.0
Cu: Kopper content	ppm	<1			10.0
Fe: Iron content	ppm	1			10.0
Mg: Magnesium content	ppm	<1			10.0
Mn: Mangan content	ppm	< 1			2.0
Na: Sodium content	ppm	1			10.0
Pb: Lead content	ppm	< 1			10.0
V: Vanadium content	ppm	< 1			10.0
Zn: Zink content	ppm	4			10.0
Fungi		0			
Bacteria		0			
Insolubles	mg/kg	139			24-50: Follow-up
					>50: Alert
Quality:			EN 590	Min	Max
Distillate at 250°C	V%				< 65
Distillate at 350°C	V%			85.0	
95% (V/V) distilled at	°C				360.0
Flashpoint	°C			> 55.0	
Cetane index				46.0	
Cetane number				51.0	
PAK (Aromaten)	m%				8.0
FAME (biodiesel)	V%				7.0
CFPP	°C			A-class	max +5°C
				Class B	max 0°C

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.





Microscopical analysis ATLAS COPCO PTS 1600 (347357/13630)

System:	DIESEL	Labocodenbr:	109830-NRf9	
Sump Capacity:	?	Labelnumber:	00706114	
Lubricant:	FUEL GNR		12.05.23	
Your ref.:	F/347357/13630/PTS1600	Analysis date:	26.05.23	

The sample was diluted with an organic pre-filtered solvent and filtered on a 0.7 µm fiberglass filter. After filtration, the filtrate was dried and analyzed under microscope.

Particle type:	None	Few	Moderate	Many
White metal:				
Black particles:				\checkmark
Rust particles:				
Silicon:				
Fibers:	\checkmark			
Weldings:				
Plastics:	\checkmark			
Copper:				
Polymers:	\checkmark			
yellow particles				\checkmark

Final judgement:

Normal	Moderate	🖌 High
	Diagnostic:	

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