

# Analysis Report

## ATLAS COPCO PTS 1600 (304316/13316)

System: DIESEL Customer: ATLAS COPCO RENTAL EUROP

Sump Capacity: 70 L Luc Despeghel

Fuel type DIESEL Address: INDUSTRIEWEG 1F Labocodenbr: 109830-iof9

Samplenumber: 12.07.24 S003 B- 2850 BOOM

Labelnumber: 429000801851

Date sample drawn: 4.07.2024 Your customer: 304316/13316

Sampling: by client Your ref.:

#### Diagnostic

No bacteria or fungi present in the fuel. For the insolubles (based on EN12662), 262 g of sample was used. Attention: Content of sulfur out of spec according to EN590. Attention is drawn to the high amount of sediment present in the sample. Aspect: free water and sediment visible on bottom of sample bottle. The oil is contaminated with a significant amount of water. The fuel sample does not conform to EN590 for the tests performed.

Results:		Current sample			12.07.24 S00
Analysis date		12/07/2024			
Sample date		4/07/2024			
Fuel condition:			EN 590	Min	Max
Density	kg/m³			820.0	845.0
Visual		Red			
S: Sulfur content	ppm	31.6			10.0
Viscosity at 40°C	cSt	2.4		2.0	4.5
Water content	ppm	4938			200
Pollution/additives:			EN 590	Min	Max
Al: Aluminium content	ppm	<1			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	< 1			10.0
Bacteria		0			
Insolubles	mg/kg	49			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
				Class C	max -5°C
				Class D	max -10°C
				Class E	max -15°C
				Class F	max -20°C

These conclusions are based on the tested 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. (II) Outsourced.



# Microscopical analysis

## **ATLAS COPCO PTS 1600** (304316/13316)

System: Sump Capacity: Lubricant: Your ref.:	DIESEL 70 L DIESEL	Labocodenbr: Labelnumber: Samplenumber: Analysis date:	<b>109830-iof9</b> 429000801851 04.07.24 12.07.24	
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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:			<b>✓</b>	
Rust particles:	✓			
Silicon:			<b>✓</b>	
Fibers:	$\checkmark$			
Weldings:	$\checkmark$			
Plastics:	$\checkmark$			
Copper:	$\checkmark$			
Polymers:		<b>✓</b>		
Final judgement:				
Normal	✓ Moderate		High	
	Diagnos	suc:		

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Batch: 2419902 - p.2 / 2 Diagnosis: KDS Date of issue: 17/07/2024 B118 AC RENTAL EUROP