

System:	DIESEL	Customer:	ATLAS COPCO RENTAL EUROP
Sump Capacity:	70 L		Luc Despeghele
Fuel type	DIESEL	Address:	INDUSTRIEWEG 1F
Labocodenbr:	109830-iof9		
Samplenummer:	12.07.24 S003		B- 2850 BOOM
Labelnummer:	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.

Action

Results:		Current sample	12.07.24 S003
Analysis date		12/07/2024	
Sample date		4/07/2024	
Fuel condition:		EN 590	Min Max
Density	kg/m <sup>3</sup>		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

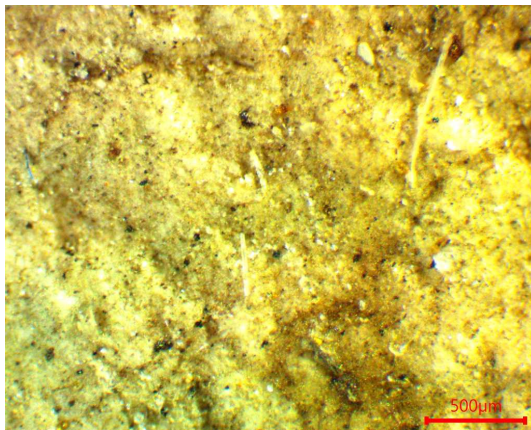
12.07.24 S003

System: DIESEL  
 Sump Capacity: 70 L  
 Lubricant: DIESEL  
 Your ref.:

**Labocodenbr: 109830-iof9**  
 Labelnumber: 429000801851  
 Samplenummer: 04.07.24  
 Analysis date: 12.07.24

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:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Black particles:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rust particles:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Silicon:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fibers:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Weldings:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plastics:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Copper:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Polymers:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Final judgement:** Normal Moderate High**Diagnostic:**