

System:	DIESEL	Customer:	ATLAS COPCO RENTAL EUROPE
Sump Capacity:	85 L		Luc Despeghel
Fuel type	DIESEL	Address:	INDUSTRIEWEG 1F
Labocodenbr:	109897-tqf9		B- 2850 BOOM
Samplenummer:	23.05.24 S003		
Labelnummer:	429000801390		
Date sample drawn:	14.05.2024	Your customer:	864909/18504
Sampling:	by client	Your ref.:	B/864909/18504/PTS1600

Diagnostic

Appearance : bright red. There is no visual precipitation. For the insolubles (based on EN12662), 284 g of sample was used. Defilement of the sample by an increased content of insolubles. Microscopic examination of the patch shows the presence of black and brown particles, silicon particles and some fibres. No bacteria or fungi present in the fuel. AMS 002260

Attention

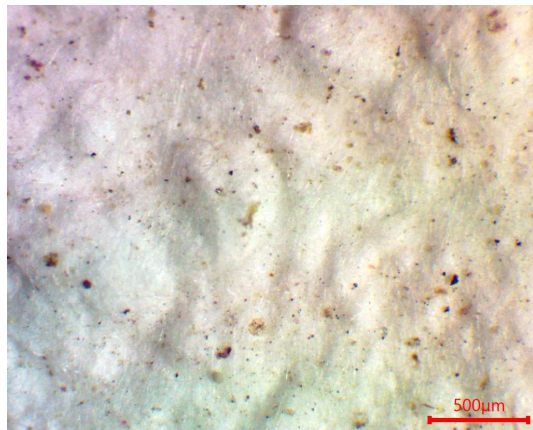
Results:		Current sample	23.05.24 S003
Analysis date		23/05/2024	
Sample date		14/05/2024	
Fuel condition:		EN 590	Min Max
Density	kg/m ³		820.0 845.0
Visual		red	
S: Sulfur content	ppm	5.22	10.0
Viscosity at 40°C	cSt	3.0	2.0 4.5
Water content	ppm	43	200
Pollution/additives:		EN 590	Min Max
Al: Aluminium 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	43	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

23.05.24 S003

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Sump Capacity:	85 L	Labelnumber:	429000801390
Lubricant:	DIESEL	Samplenummer:	14.05.24
Your ref.:	B/864909/18504/PTS1600	Analysis date:	23.05.24

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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fibers:	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
brown particles	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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