

System:	DIESEL	Customer:	ATLAS COPCO RENTAL EUROPE
Sump Capacity:	?		Luc Despeghel
Fuel type	DIESEL	Address:	INDUSTRIEWEG 1F
Labocodenbr:	109897-qbf9		B- 2850 BOOM
Samplenummer:	11.12.23 T014		
Labelnummer:	429000800490	Your customer:	FUEL TANK
Date sample drawn:	10.11.2023	Your ref.:	F/FUEL TANK
Sampling:	by client		

Diagnostic

Appearance : bright red. There is no visual precipitation. We notice a high sulphur content. For the insolubles (based on EN12662), 60 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 some black particles. No bacteria or fungi present in the fuel.

Action

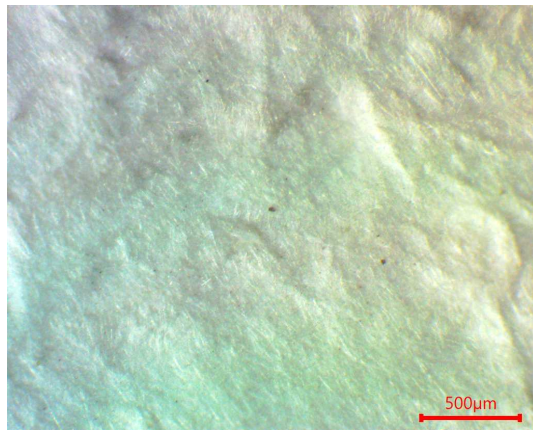
Results:		Current sample	11.12.23 T014
Analysis date		11/12/2023	
Sample date		10/11/2023	
Fuel condition:		EN 590	Min Max
Density	kg/m ³		820.0 845.0
Visual		red	
S: Sulfur content	ppm	19.71	10.0
Viscosity at 40°C	cSt	3.3	2.0 4.5
Water content	ppm	20	200
Pollution/additives:		EN 590	Min Max
Al: Aluminium 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	23	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

11.12.23 T014

System:	DIESEL	Labocodenbr:	109897-qbf9
Sump Capacity:	?	Labelnumber:	429000800490
Lubricant:	DIESEL	Samplenummer:	10.11.23
Your ref.:	F/FUEL TANK	Analysis date:	11.12.23

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:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Black particles:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rust particles:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Silicon:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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