

System:	DIESEL	Customer:	ATLAS COPCO RENTAL EUROPE
Sump Capacity:	6000 L		Luc Despeghel
Fuel type:	DIESEL	Address:	INDUSTRIEWEG 1F
Labocodenbr:	109897-tqf9		
Samplenummer:	31.05.24 S004		B- 2850 BOOM
Labelnummer:	00745041		
Date sample drawn:	21.05.2024	Your customer:	864909/18504
Sampling:	by client	Your ref.:	B/864909/18504/PTS1600

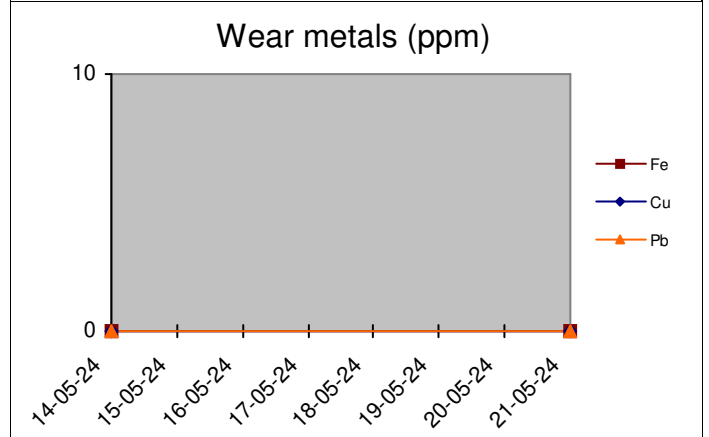
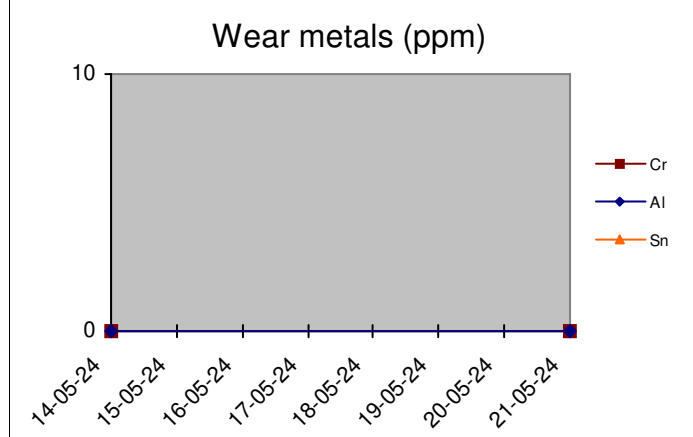
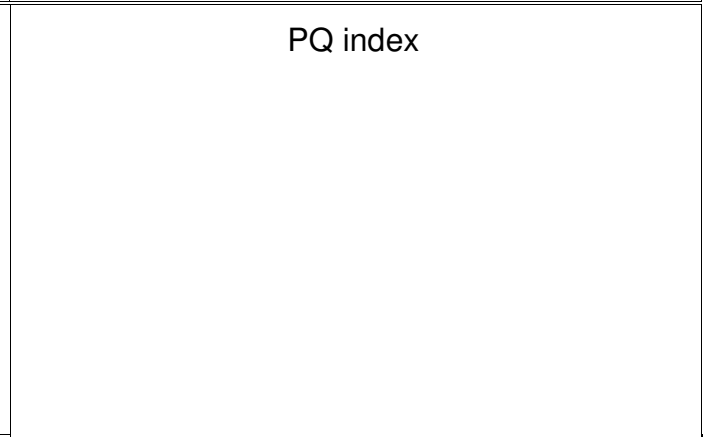
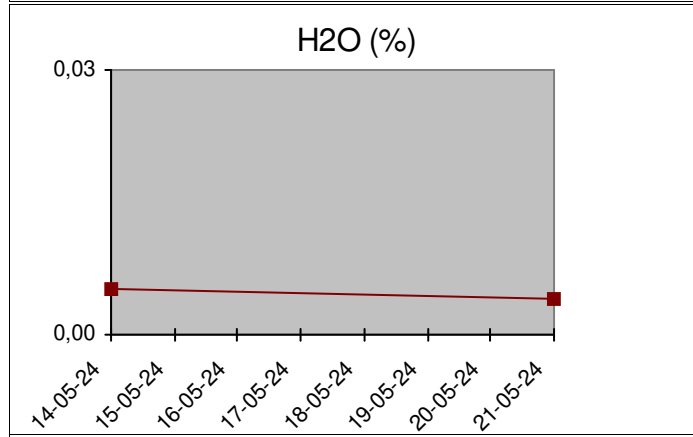
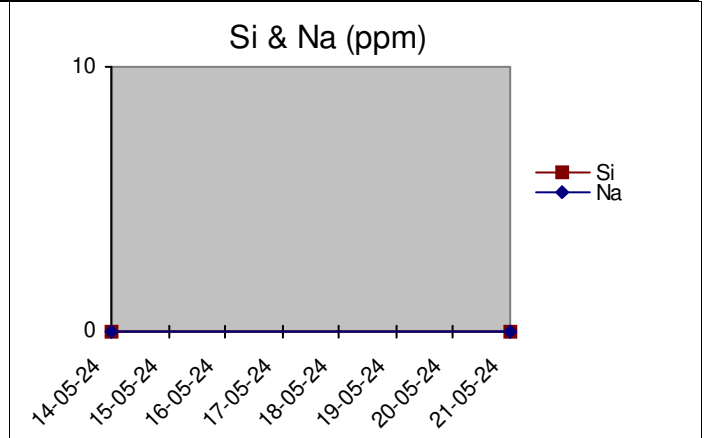
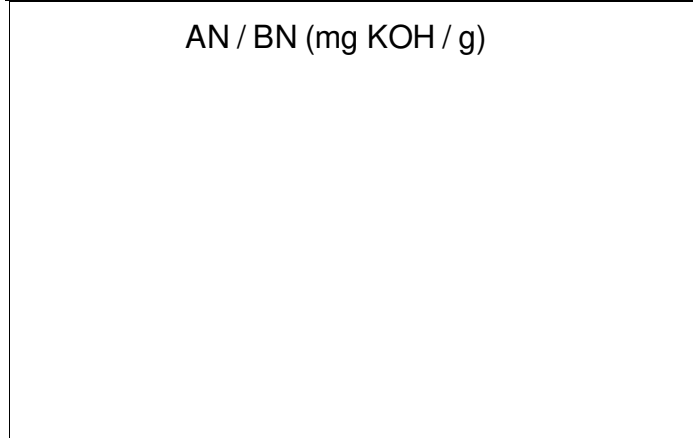
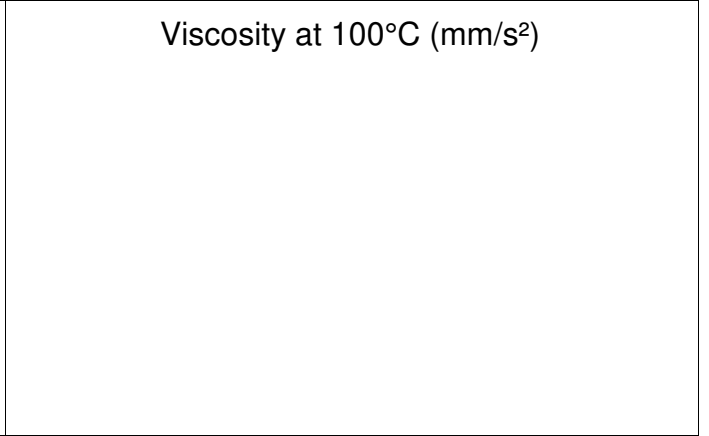
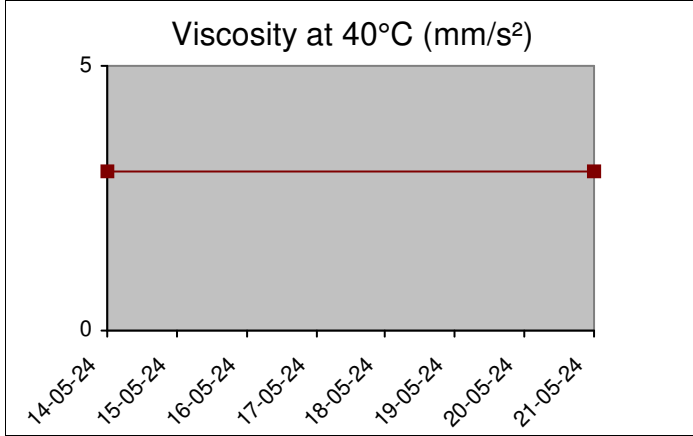
### Diagnostic

Appearance : bright red. There is no visual precipitation. We notice a high sulfur content. For the insolubles (based on EN12662), 50 g of sample was used. For a precise result, we would like to receive 300 ml of sample. Defilement of the sample by a high content of insolubles. Microscopic examination of the patch shows the presence of black particles and silicon particles.

Action

Results:		Current sample	31.05.24 S004
Analysis date		31/05/2024	
Sample date		21/05/2024	
Fuel condition:		EN 590	Min Max
Density	kg/m <sup>3</sup>		820.0 845.0
Visual		red	
S: Sulfur content	ppm	19.09	10.0
Viscosity at 40°C	cSt	3.0	2.0 4.5
Water content	ppm	35	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	37	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

History 31.05.24 S004



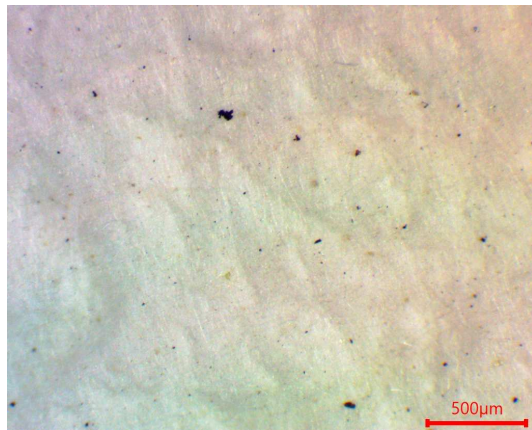
These conclusions are based on the tested supplied samples and information where the representativeness and validity cannot be guaranteed. Opinions and interpretation are outside the scope of accreditation. The measurement uncertainty is available on request. Samples are destroyed 2 months after receipt. The report may only be reproduced complete. Distribution on the responsibility of the client. \*Methods are modified according to specified method. (A)Accreditation. (U)Outsourced.

31.05.24 S004

System:	DIESEL	<b>Labocodenbr:</b>	<b>109897-tqf9</b>
Sump Capacity:	6000 L	Labelnumber:	00745041
Lubricant:	DIESEL	Samplenummer:	21.05.24
Your ref.:	B/864909/18504/PTS1600	Analysis date:	31.05.24

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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