

System:	DIESEL	Customer:	ATLAS COPCO RENTAL EUROPE
Sump Capacity:	6000 L		Luc Despeghel
Fuel type	DIESEL	Address:	INDUSTRIEWEG 1F
Labocodenbr:	109897-tqf9		B- 2850 BOOM
Samplenummer:	03.07.24 S005		
Labelnummer:	429000801392		
Date sample drawn:	27.06.2024	Your customer:	864909/18504
Sampling:	by client	Your ref.:	B/864909/18504/PTS1600

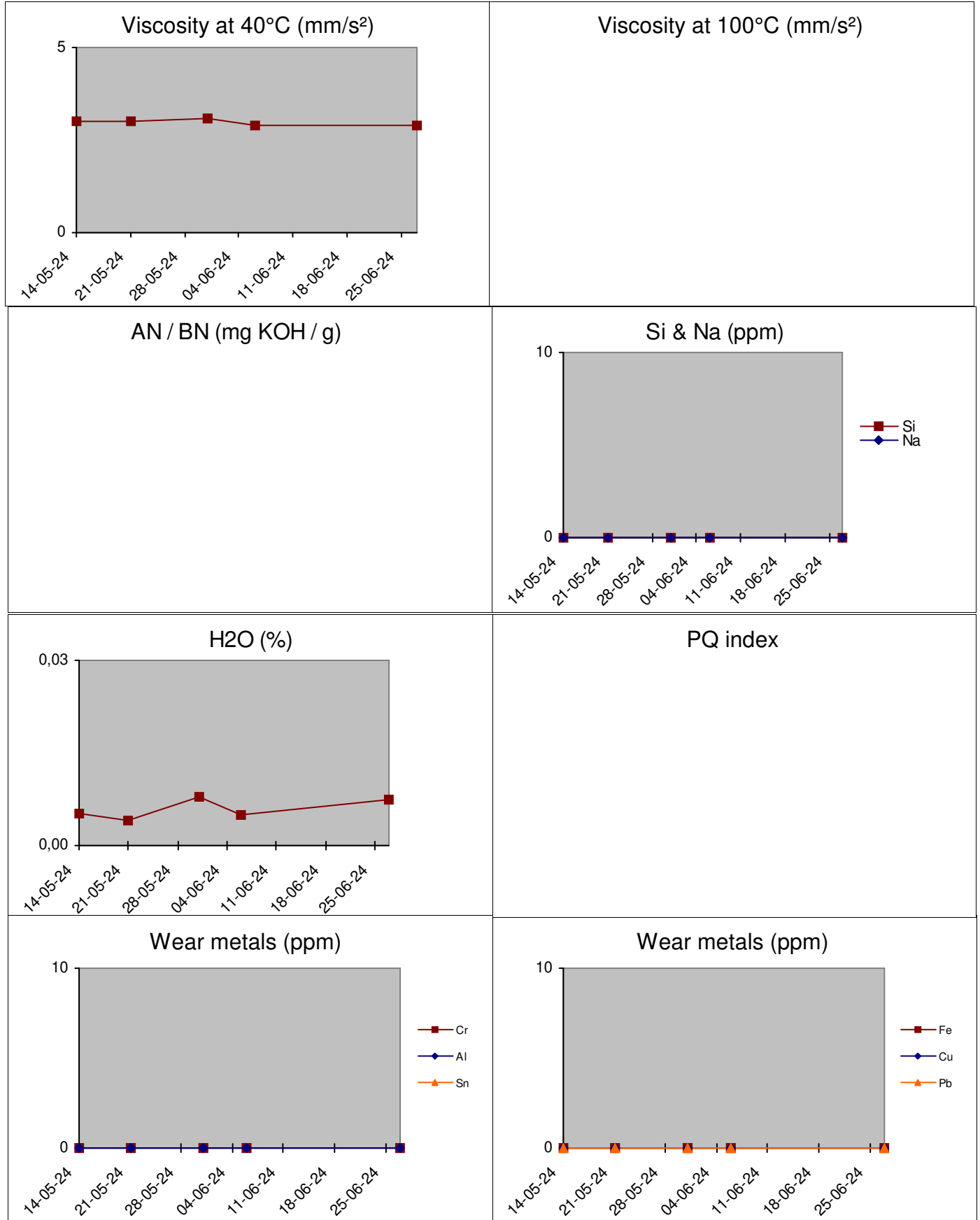
### Diagnostic

Appearance : bright red. There is no visual precipitation. For the insolubles (based on EN12662), 285 g of sample was used. Defilement of the sample by a high content of insolubles. Microscopic examination of the patch shows the presence of black and yellow particles. The particle pollution level is normal. No bacteria or fungi present in the fuel.

Attention

Results:		Current sample	03.07.24 S005
Analysis date		3/07/2024	
Sample date		27/06/2024	
Fuel condition:		EN 590	Min Max
Density	kg/m <sup>3</sup>		820.0 845.0
Visual		red	
S: Sulfur content	ppm	8.35	10.0
Viscosity at 40°C	cSt	2.9	2.0 4.5
Water content	ppm	63	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	33	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

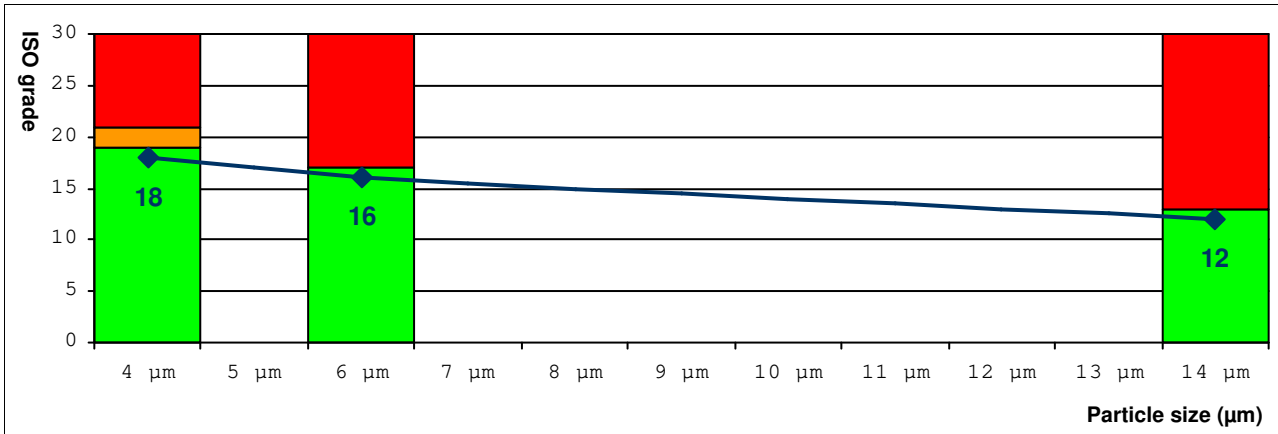
History 03.07.24 S005



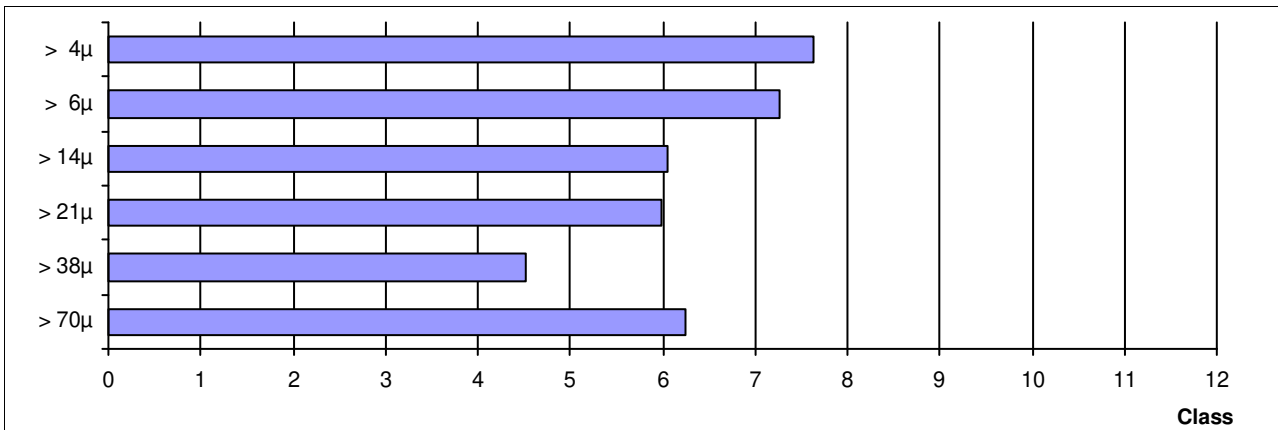
These conclusions are based on the tested supplied samples and information where the representativeness and validity cannot be guaranteed. Opinions and interpretation are outside the scope of accreditation. The measurement uncertainty is available on request. Samples are destroyed 2 months after receipt. 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.

<b>ISO score</b>	<b>18 / 16 / 12</b>
<b>AS4059 class</b>	<b>8 A</b>

ISO score (4406:2021)	Particles / 100ml	Score
> 4μ	162230	18
> 6μ	49390	16
> 14μ	3620	12
> 21μ	610	
> 38μ	40	
> 70μ	20	



AS4059 class	Particles / 100ml	Class
A: > 4μ	162230	A8
B: > 6μ	49390	B8
C: > 14μ	3620	C7
D: > 21μ	610	D6
E: > 38μ	40	E5
F: > 70μ	20	F7



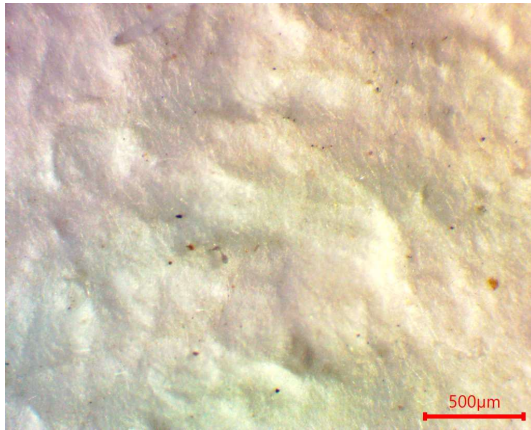
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03.07.24 S005

System:	DIESEL	<b>Labocodenbr:</b>	<b>109897-tqf9</b>
Sump Capacity:	6000 L	Labelnumber:	429000801392
Lubricant:	DIESEL	Samplenummer:	27.06.24
Your ref.:	B/864909/18504/PTS1600	Analysis date:	03.07.24

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

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