

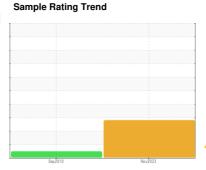
FUEL REPORT

LIFEBOAT #2

Component

Diesel Fuel

No.2 DIESEL FUEL (HIGH-SULPHUR) (--- GAL)





DIAGNOSIS

Recommendation

We advise that you filter this fluid before use. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Corrosion

{not applicable}

Contaminants

There is a light amount of silt (particulates < 14 microns in size) present in the fuel. The water content is negligible.

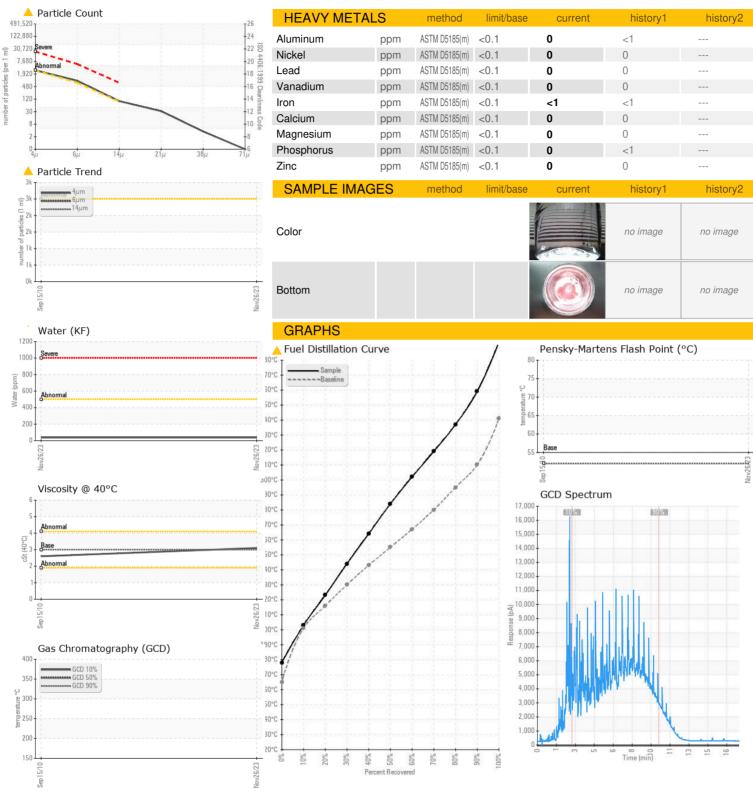
▲ Fuel Condition

50% Distill Point results are abnormally high. 90% Distill Point results are abnormally high. Final Boiling Point results are abnormally high. Laboratory tests indicate that this sample does NOT meet specifications for No.2 high-sulfur diesel fuel.

GAL)			Sep2010	Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC	PC	
Sample Date		Client Info		26 Nov 2023	15 Sep 2010	
Machine Age	days	Client Info		0	0	
Sample Status	uays	Ciletit iiiio		ABNORMAL	NORMAL	
· ·	EDTIEO					
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.863		
Fuel Color	text	Visual Screen*	Yllow	Green		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	3.1	2.6	
Pensky-Martens Flash Point	°C	ASTM D7215*	52	66.6		
SULFUR CONT	ΓENT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	500	535	739	
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	178		
5% Distillation Point	°C	ASTM D2887*		193		
10% Distill Point	°C	ASTM D2887*	201	203		
15% Distillation Point	°C	ASTM D2887*		213		
20% Distill Point	°C	ASTM D2887*	216	223		
30% Distill Point	°C	ASTM D2887*	230	244		
40% Distill Point	°C	ASTM D2887*	243	264		
50% Distill Point	°C	ASTM D2887*	255	<u>^</u> 284		
60% Distill Point	°C	ASTM D2887*	267	302		
70% Distill Point	°C	ASTM D2887*	280	319		
80% Distill Point	°C	ASTM D2887*	295	337		
85% Distillation Point	°C	ASTM D2887*		348		
90% Distill Point	°C	ASTM D2887*	310	△ 359		
95% Distillation Point	°C	ASTM D2887*		377		
Final Boiling Point	°C	ASTM D2887*	341	<u> </u>		
IGNITION QUA		method	limit/base	current		hiotony?
	LIII				history1	history2
API Gravity		ASTM D1298*	37.7	32		
Cetane Index		ASTM D4737*	<40.0	44		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0	<1	
Sodium	ppm	ASTM D5185(m)	< 0.1	<1	2	
Potassium	ppm	ASTM D5185(m)	< 0.1	0	0	
Water	%	ASTM D6304*	< 0.05	0.003		
ppm Water	ppm	ASTM D6304*	< 500	38		
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>2500	2531		
Particles >6µm		ASTM D7647	>640	4 796		
Particles >14µm		ASTM D7647	>80	▲ 85		
Particles >21µm		ASTM D7647	>20	28		
Particles >38μm		ASTM D7647	>4	3		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	19/17/14		



FUEL REPORT





CALA ISO 17025:2017 Accredited

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : PC

: 02599150 : 5684230

Recieved : 27 Nov 2023 Diagnosed : 20 Dec 2023 Diagnostician : Kevin Marson

Test Package : FUEL (Additional Tests: CC Flash, GC-PercFuel, PRTCOUNT)

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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