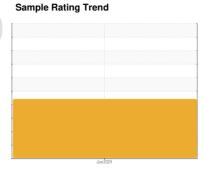


## **FUEL REPORT**

[157275] 30363180

**Diesel Fuel** No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)





# DIAGNOSIS

### Recommendation

Check seals and/or filters for points of contaminant entry. Laboratory test indicate that this fuel is suitable for use and meets all test requirements. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you filter this fluid before use. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

### Contaminants

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

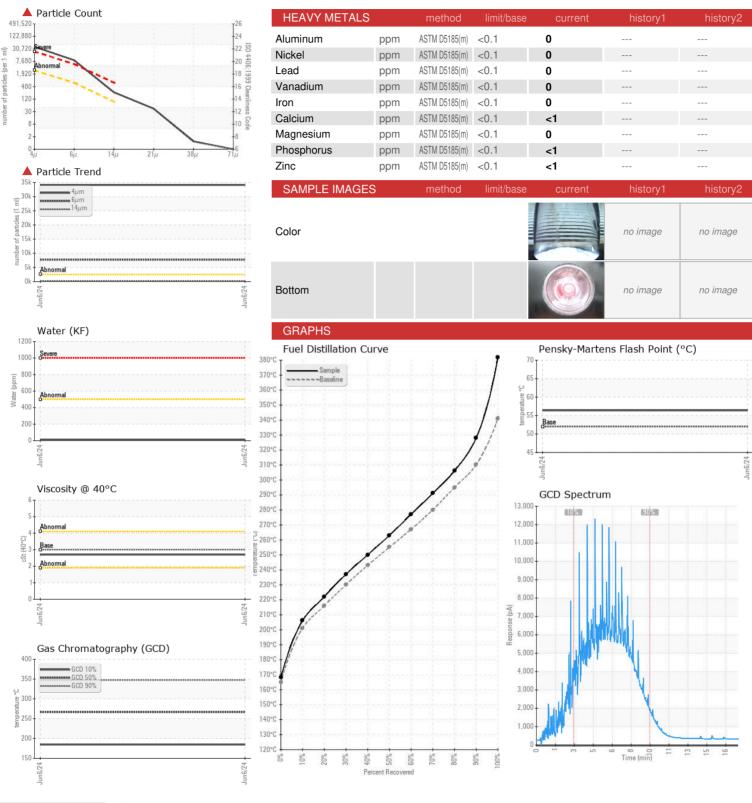
### **Fuel Condition**

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B). The fuel is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

() ( GAL)				Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0022884		
Sample Date		Client Info		06 Jun 2024		
Machine Age	hrs	Client Info		270		
Sample Status	1110			SEVERE		
·				GEVERIE		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.842		
Fuel Color	text	Visual Screen*	Yllow	Red		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.7		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	56.4		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	9		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	168		
5% Distillation Point	°C	ASTM D2887*		195		
10% Distill Point	°C	ASTM D2887*	201	206		
15% Distillation Point	°C	ASTM D2887*		214		
20% Distill Point	°C	ASTM D2887*	216	222		
30% Distill Point	°C	ASTM D2887*	230	237		
40% Distill Point	°C	ASTM D2887*	243	250		
50% Distill Point	°C	ASTM D2887*	255	263		
60% Distill Point	°C	ASTM D2887*	267	277		
70% Distill Point	°C	ASTM D2887*	280	291		
80% Distill Point	°C	ASTM D2887*	295	306		
85% Distillation Point	°C	ASTM D2887*		317		
90% Distill Point	°C	ASTM D2887*	310	328		
95% Distillation Point	°C	ASTM D2887*		347		
Final Boiling Point	°C	ASTM D2887*	341	382		
IGNITION QUALIT		method	limit/base	current	history1	history2
API Gravity	' '	ASTM D1298*	37.7	36		
Cetane Index		ASTM D1290 ASTM D4737*	<40.0	48		
				40		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0		
Sodium	ppm	ASTM D5185(m)	< 0.1	<1		
Potassium	ppm	ASTM D5185(m)	<0.1	0		
Water	%	ASTM D6304*	< 0.05	0.001		
ppm Water	ppm	ASTM D6304*	<500	8		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>2500	<b>34111</b>		
Particles >6µm		ASTM D7647	>640	<b>7731</b>		
Particles >14µm		ASTM D7647	>80	<b>225</b>		
Particles >21µm		ASTM D7647	>20	<b>9</b> 37		
Particles >38µm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>22/20/15</b>		



# **FUEL REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Laboratory

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Sample No.

: CU0022884 Lab Number : 02642432 Unique Number : 5799971

Received : 17 Jun 2024 Tested Diagnosed

: 19 Jun 2024 : 19 Jun 2024 - Kevin Marson

Test Package : FUEL ( Additional Tests: CC Flash, 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.

Labatt - St. John's Brewery

60 Leslie Street St John's, NL **CA A1E 2V8** Contact: Matthew Gillett

matthew.gillett@labatt.com T:

F: (709)579-2018

Contact/Location: Matthew Gillett - LABSTJ