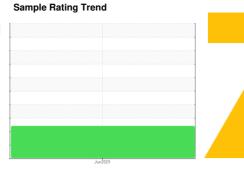


FUEL REPORT

[155883] 25456854

Diesel Fuel

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





DIAGNOSIS

Recommendation

Laboratory test indicate that this fuel is suitable for use and meets all test requirements. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We advise that you filter this fluid before use. We recommend an early resample to monitor this condition.

Contaminants

There is a moderate amount of particulates (2 to 100 microns in size) present in the fuel. The water content is negligible.

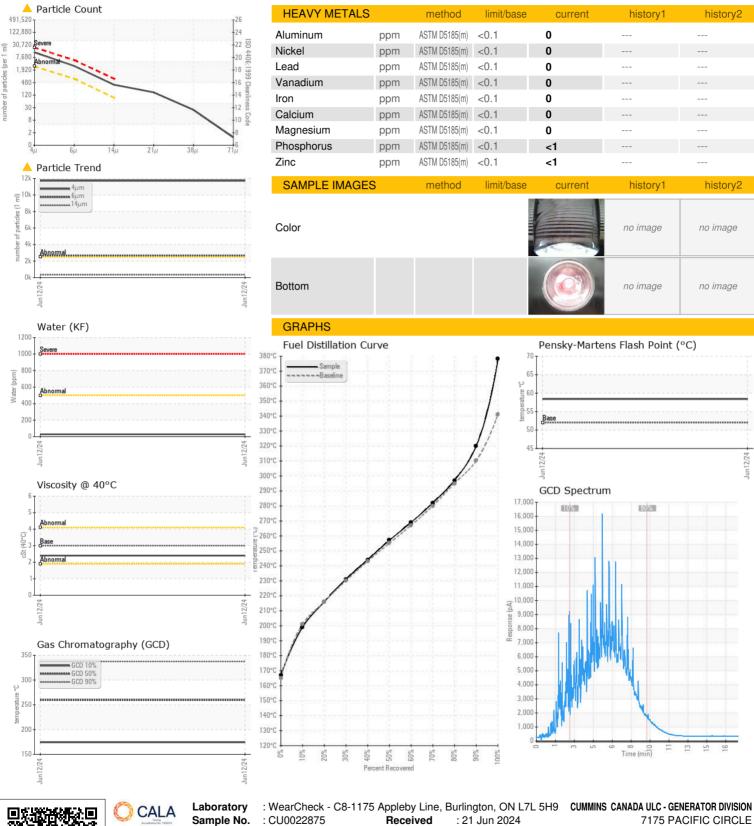
Fuel Condition

The fuel is still serviceable provided that the contaminant(s) can be reduced to acceptable levels. 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).

i) (GAL)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0022875		
Sample Date		Client Info		12 Jun 2024		
Machine Age	hrs	Client Info		34		
Sample Status				ABNORMAL		
PHYSICAL PROP	EDTIEC		1''-/		la ta de a serial	la la tarra O
	ERITES		limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.852		
Fuel Color	text	Visual Screen*	Yllow	Red		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.4		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	58.4		
SULFUR CONTER	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	12		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	167		
5% Distillation Point	°C	ASTM D2887*		187		
10% Distill Point	°C	ASTM D2887*	201	199		
15% Distillation Point	°C	ASTM D2887*		208		
20% Distill Point	°C	ASTM D2887*	216	216		
30% Distill Point	°C	ASTM D2887*	230	231		
40% Distill Point	°C	ASTM D2887*	243	244		
50% Distill Point	°C	ASTM D2887*	255	257		
60% Distill Point	°C	ASTM D2887*	267	269		
70% Distill Point	°C	ASTM D2887*	280	282		
80% Distill Point	°C	ASTM D2887*	295	297		
85% Distillation Point	°C	ASTM D2887*		308		
90% Distill Point	°C	ASTM D2887*	310	320		
95% Distillation Point	°C	ASTM D2887*		341		
Final Boiling Point	°C	ASTM D2887*	341	378		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	34		
Cetane Index		ASTM D4737*	<40.0	43		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0		
Sodium	ppm	ASTM D5185(m)	<0.1	0		
Potassium	ppm	ASTM D5185(m)	<0.1	0		
Water	%	ASTM D3103(III) ASTM D6304*	<0.05	0.003		
ppm Water	ppm	ASTM D6304*	<500	28		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	<u> </u>		
Particles >6µm		ASTM D7647	>640	<u>^</u> 2633		
Particles >14µm		ASTM D7647	>80	<u>▲</u> 333		
Particles >21µm		ASTM D7647	>20	<u>▲</u> 143		
Particles >38µm		ASTM D7647	>4	<u> </u>		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<u>^</u> 21/19/16		
		. ,				



FUEL REPORT





ISO 17025:2017 Accredited Laboratory

Sample No.

: CU0022875 Lab Number : 02643551 Unique Number : 5801090

Tested Diagnosed : 25 Jun 2024

: 25 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.

MISSISSAUGA, ON CA L5T 2A5

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F: (905)795-9252