

FUEL REPORT

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Sample Rating Trend



OJ032752

Component

Diesel Fuel

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

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Recommendation

Laboratory test indicate that this fuel is suitable for use and meets all test requirements. Resample at the next service interval to monitor.

Corrosion

{not applicable}

Contaminants

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. There is no indication of any contamination in the diesel fuel.

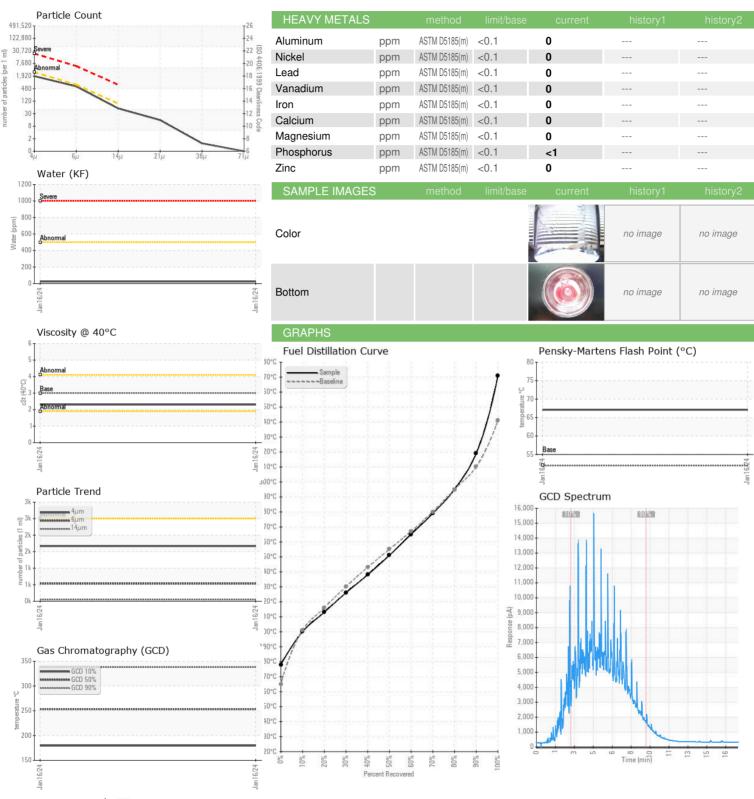
Fuel Condition

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).

R) (GAL)				Jan 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0880022		
Sample Date		Client Info		16 Jan 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.831		
Fuel Color	text	Visual Screen*	Yllow	Red		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.3		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	67.1		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	11		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	178		
5% Distillation Point	°C	ASTM D2887*		194		
10% Distill Point	°C	ASTM D2887*	201	200		
15% Distillation Point	°C	ASTM D2887*		207		
20% Distill Point	°C	ASTM D2887*	216	213		
30% Distill Point	°C	ASTM D2887*	230	226		
40% Distill Point	°C	ASTM D2887*	243	238		
50% Distill Point	°C	ASTM D2887*	255	251		
60% Distill Point	°C	ASTM D2887*	267	265		
70% Distill Point	°C	ASTM D2887*	280	279		
80% Distill Point	°C	ASTM D2887*	295	295		
85% Distillation Point	°C	ASTM D2887*		307		
90% Distill Point	°C	ASTM D2887*	310	319		
95% Distillation Point	°C	ASTM D2887*		340		
Final Boiling Point	°C	ASTM D2887*	341	371		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	38		
Cetane Index		ASTM D4737*	<40.0	50		
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	0.002		
ppm Water	ppm	ASTM D6304*	< 500	24		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	1668		
Particles >6µm		ASTM D7647	>640	532		
Particles >14µm		ASTM D7647	>80	47		
Particles >21µm		ASTM D7647	>20	13		
Particles >38µm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	18/16/13		



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CALA ISO 17025:2017 Accredited

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

: WC0880022

: 02609550 : 5710636

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Recieved : 17 Jan 2024 Diagnosed

: 22 Jan 2024 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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