

# **FUEL REPORT**

DT

Sample Rating Trend

NORMAL



0J032653

Component

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. 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.

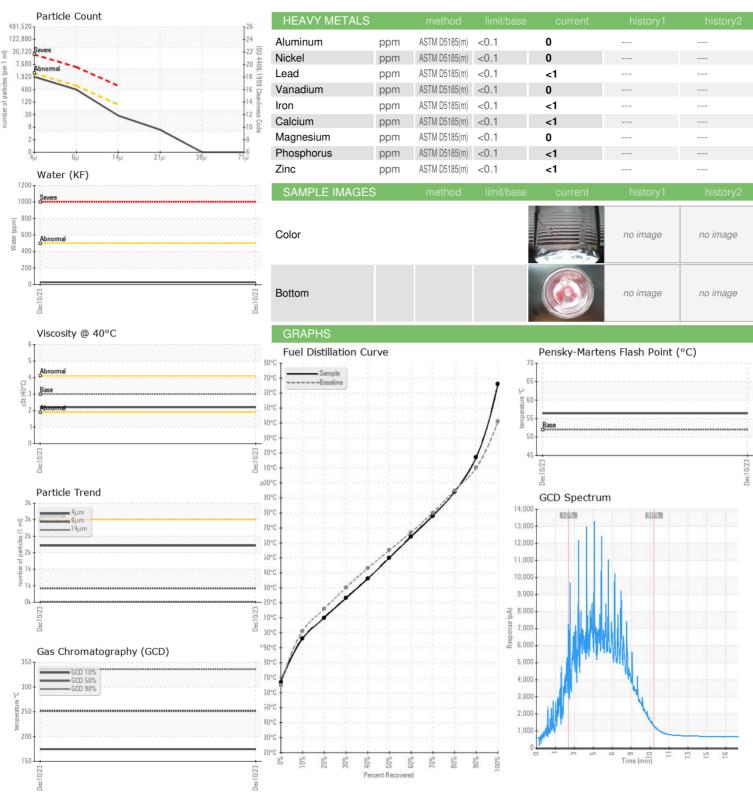
#### **Fuel Condition**

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)				Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0880018		
Sample Date		Client Info		10 Dec 2023		
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	2.2		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	56.4		
SULFUR CONTE	NΤ	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	5		
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	196		
15% Distillation Point	°C	ASTM D2887*		203		
20% Distill Point	°C	ASTM D2887*	216	210		
30% Distill Point	°C	ASTM D2887*	230	223		
40% Distill Point	°C	ASTM D2887*	243	236		
50% Distill Point	°C	ASTM D2887*	255	250		
60% Distill Point	°C	ASTM D2887*	267	264		
70% Distill Point	°C	ASTM D2887*	280	278		
80% Distill Point	°C	ASTM D2887*	295	294		
85% Distillation Point	°C	ASTM D2887*		306		
90% Distill Point	°C	ASTM D2887*	310	317		
95% Distillation Point	°C	ASTM D2887*		337		
Final Boiling Point	°C	ASTM D2887*	341	366		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	38		
Cetane Index		ASTM D4737*	<40.0	49		
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	<1		
Water	%	ASTM D6304*	< 0.05	0.003		
ppm Water	ppm	ASTM D6304*	<500	27		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	1713		
Particles >6µm		ASTM D7647	>640	421		
Particles >14μm		ASTM D7647	>80	24		
Particles >21µm		ASTM D7647	>20	5		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	18/16/12		



## **FUEL REPORT**





CALA ISO 17025:2017 Accredited

Laboratory

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

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0880018 : 02602457

: 5695542

Received Diagnosed

: 11 Dec 2023 : 13 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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