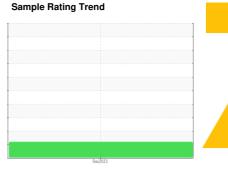


# **FUEL REPORT**

# Area [1687] NO UNIT WC0855941

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

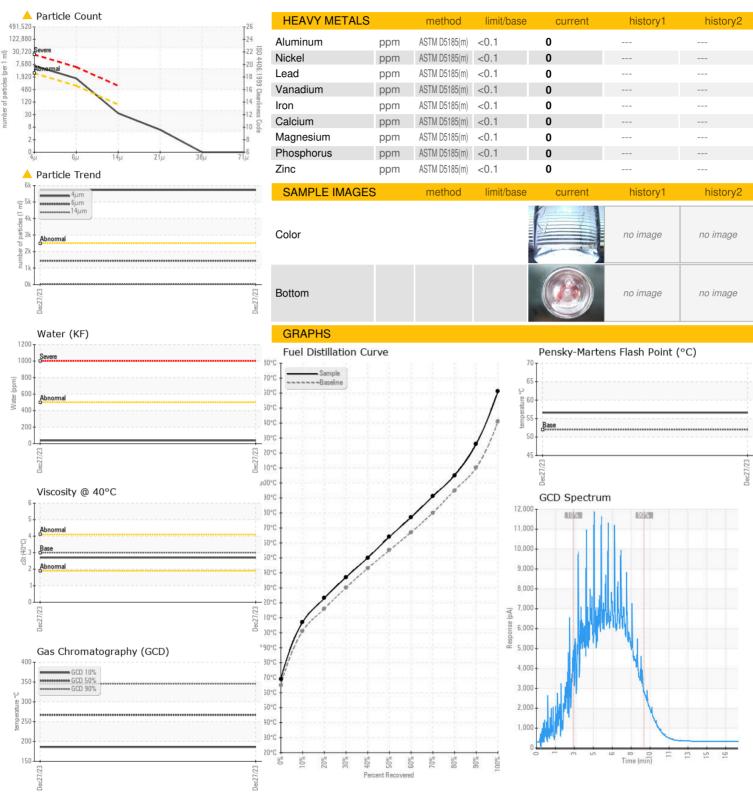
#### **Fuel Condition**

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.

R) ( GAL)				Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0855941		
Sample Date		Client Info		27 Dec 2023		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.846		
Fuel Color	text	Visual Screen*	Yllow	Pink		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.7		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	56.6		
SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	8		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	169		
5% Distillation Point		ASTM D2887*		197		
10% Distill Point	°C	ASTM D2887*	201	207		
15% Distillation Point	°C	ASTM D2887*		215		
20% Distill Point	°C	ASTM D2887*	216	223		
30% Distill Point	°C	ASTM D2887*	230	237		
40% Distill Point	°C	ASTM D2887*	243	250		
50% Distill Point	°C	ASTM D2887*	255	264		
60% Distill Point	°C	ASTM D2887*	267	277		
70% Distill Point	°C	ASTM D2887*	280	291		
80% Distill Point	°C	ASTM D2887*	295	305		
85% Distillation Point	°C	ASTM D2887*		316		
90% Distill Point	°C	ASTM D2887*	310	326		
95% Distillation Point	°C	ASTM D2887*		343		
Final Boiling Point	°C	ASTM D2887*	341	361		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	35		
Cetane Index		ASTM D4737*	<40.0	47		
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	0.003		
ppm Water	ppm	ASTM D6304*	<500	38		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	<b>△</b> 5723		
Particles >6µm		ASTM D7647	>640	<u> </u>		
Particles >14µm		ASTM D7647	>80	31		
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	<u>20/18/12</u>		



# **FUEL REPORT**





CALA ISO 17025:2017 Accredited

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

: WC0855941

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Recieved : 02605601

: 28 Dec 2023 Diagnosed : 03 Jan 2024 Diagnostician : Kevin Marson

: 5698686 Test Package : FUEL ( Additional Tests: CC Flash, GC-PercFuel, PrtCount )

To discuss this sample report, contact Customer Service at 1-800-268-2131.

KOOY BROS. 1919 WILSON AVE TORONTO, ON **CA M9M 1A9** Contact: Grant Brouwer

grant@kooybros.com T: (416)242-3513

F: (416)242-6710