

# **FUEL REPORT**

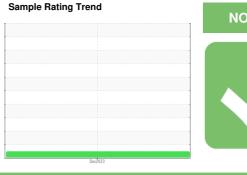
# VANTAGE QC-61 [331084]

A-I-A1

Component

Diesel Fuel

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



# NORMAL

### 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.

#### **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.

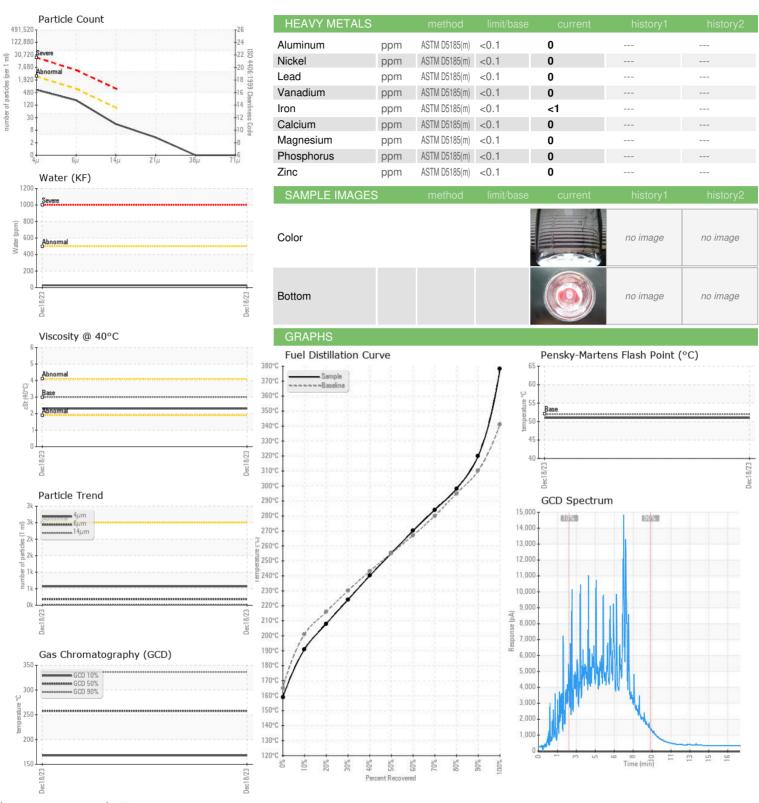
#### **Fuel Condition**

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)			D	lec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0022033		
Sample Date		Client Info		18 Dec 2023		
Machine Age	hrs	Client Info		57		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.821		
Fuel Color	text	Visual Screen*	Yllow	Pink		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.3		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	51		
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	4		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	159		
5% Distillation Point	°C	ASTM D2887*		180		
10% Distill Point	°C	ASTM D2887*	201	191		
15% Distillation Point	°C	ASTM D2887*		200		
20% Distill Point	°C	ASTM D2887*	216	208		
30% Distill Point	°C	ASTM D2887*	230	224		
40% Distill Point	°C	ASTM D2887*	243	240		
50% Distill Point	°C	ASTM D2887*	255	255		
60% Distill Point	°C	ASTM D2887*	267	270		
70% Distill Point	°C	ASTM D2887*	280	284		
80% Distill Point	°C	ASTM D2887*	295	298		
85% Distillation Point	°C	ASTM D2887*	293	309		
90% Distill Point	°C		210	320		
		ASTM D2887*	310			
95% Distillation Point	°C	ASTM D2887*	0.41	342		
Final Boiling Point		ASTM D2887*	341	378		
IGNITION QUALIT	ГҮ	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	40		
Cetane Index		ASTM D4737*	<40.0	54		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	<1		
Sodium	ppm	ASTM D5185(m)	< 0.1	<1		
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	569		
Particles >6µm		ASTM D7647	>640	179		
Particles >14µm		ASTM D7647	>80	13		
Particles >21µm		ASTM D7647	>20	3		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	16/15/11		



## **FUEL REPORT**





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : CU0022033

: 02604544 Unique Number : 5697629

Received : 20 Dec 2023 **Tested** : 22 Dec 2023

Diagnosed : 22 Dec 2023 - 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.

**CUMMINS EASTERN CANADA LP** 

315 AV LIBERTE CANDIAC, QC **CA J5R 6Z7** 

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