

# **FUEL REPORT**

Sample Rating Trend ISO

# Machine Id HEARTS DELIGHT ATS

Component **Diesel Fuel** 

No.2 DIESEL FUEL (ULTRALOW SULPHUF

#### ▲ 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. Resample at the next service interval to monitor.

#### Corrosion

{not applicable}

#### Contaminants

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

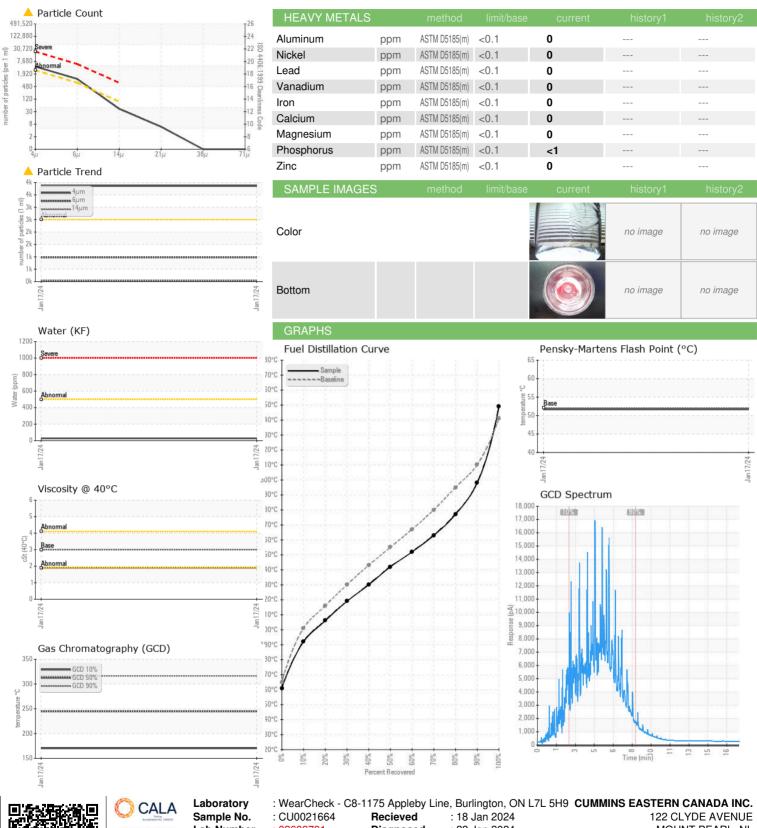
### **Fuel Condition**

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).

) ( GAL)			Jan 2024			
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0021664		
Sample Date		Client Info		17 Jan 2024		
Machine Age	hrs	Client Info		0		
Sample Status	1110	Onorte milo		ATTENTION		
PHYSICAL PROP	FRTIES	method	limit/base	current	history1	history2
	LITTIEO	ASTM D1298*	0.839	0.833		
Specific Gravity Fuel Color	40.4					
	text	Visual Screen*	Yllow	Yllow		
/isc @ 40°C	cSt	ASTM D7279(m)	3.0	1.9		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	51.7		
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	11		
DISTILLATION		method	limit/base	current	history1	history2
nitial Boiling Point	°C	ASTM D2887*	165	161		
5% Distillation Point	°C	ASTM D2887*		182		
0% Distill Point	°C	ASTM D2887*	201	192		
5% Distillation Point	°C	ASTM D2887*		199		
20% Distill Point	°C	ASTM D2887*	216	206		
80% Distill Point	°C	ASTM D2887*	230	219		
0% Distill Point	°C	ASTM D2887*	243	230		
50% Distill Point	°C	ASTM D2887*	255	242		
60% Distill Point	°C	ASTM D2887*	267	252		
70% Distill Point	°C	ASTM D2887*	280	263		
30% Distill Point	°C	ASTM D2887*	295	277		
35% Distillation Point	°C	ASTM D2887*	040	288		
00% Distill Point	°C	ASTM D2887*	310	298		
95% Distillation Point	°C	ASTM D2887*		317		
Final Boiling Point	°C	ASTM D2887*	341	349		
IGNITION QUALIT	ГΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	38		
Cetane Index		ASTM D4737*	<40.0	46		
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		
Vater	%	ASTM D6304*	< 0.05	0.003		
147 .	/0	710111120001				
opm water	ppm	ASTM D6304*	<500	27		
FLUID CLEANLIN	ppm					history2
FLUID CLEANLIN	ppm	ASTM D6304*	<500	27		
FLUID CLEANLIN Particles >4μm	ppm	ASTM D6304* method	<500 limit/base	27 current	history1	history2
FLUID CLEANLIN Particles >4µm Particles >6µm	ppm	ASTM D6304*  method  ASTM D7647	<500 limit/base >2500	27 current  3859	history1	history2
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm	ppm	ASTM D6304*  method  ASTM D7647  ASTM D7647  ASTM D7647	<500 limit/base >2500 >640	27 current  ▲ 3859 ▲ 976	history1	history2
Particles >4μm Particles >6μm Particles >14μm Particles >14μm Particles >21μm	ppm	ASTM D6304*  method  ASTM D7647  ASTM D7647  ASTM D7647  ASTM D7647	<500 limit/base >2500 >640 >80	27	history1	history2  
Particles >4µm Particles >6µm Particles >14µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm	ASTM D6304*  method  ASTM D7647  ASTM D7647  ASTM D7647	<500 limit/base >2500 >640 >80 >20	27 current  3859 976 36 5	history1	history2  



## **FUEL REPORT**





ISO 17025:2017 Accredited

Laboratory

Lab Number **Unique Number** 

: 02609791

: 5710877

Diagnosed Diagnostician : Kevin Marson

: 22 Jan 2024

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

MOUNT PEARL, NL **CA A1N 4S3** 

Contact: DARRYL CAREY DARRYL.CAREY@CUMMINS.COM

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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.