

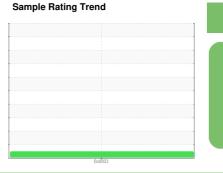
FUEL REPORT

CHELL

[133340] Machine Id 74304540

Component **Diesel Fuel**

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





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

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.

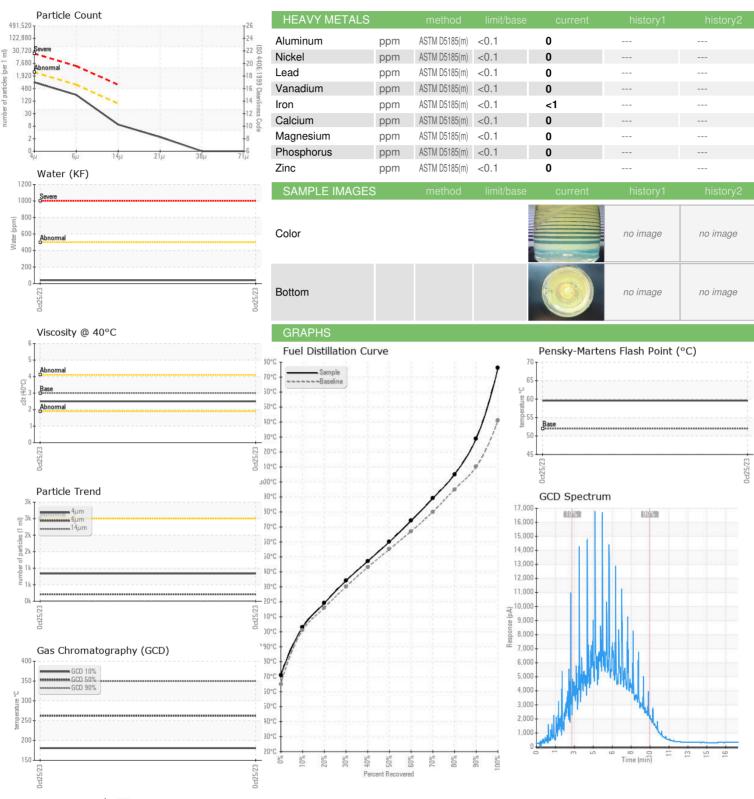
Fuel Condition

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)				0ct2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0020226		
Sample Date		Client Info		25 Oct 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	0.835		
Fuel Color	text	Visual Screen*	Yllow	Yllow		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.5		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	59.6		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	10		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	171		
5% Distillation Point	°C	ASTM D2887*		193		
10% Distill Point	°C	ASTM D2887*	201	203		
15% Distillation Point	°C	ASTM D2887*		211		
20% Distill Point	°C	ASTM D2887*	216	219		
30% Distill Point	°C	ASTM D2887*	230	234		
40% Distill Point	°C	ASTM D2887*	243	247		
50% Distill Point	°C	ASTM D2887*	255	260		
60% Distill Point	°C	ASTM D2887*	267	274		
70% Distill Point	°C	ASTM D2887*	280	289		
80% Distill Point	°C	ASTM D2887*	295	305		
85% Distillation Point	°C	ASTM D2887*		317		
90% Distill Point	°C	ASTM D2887*	310	329		
95% Distillation Point	°C	ASTM D2887*		349		
Final Boiling Point	°C	ASTM D2887*	341	376		
IGNITION QUALIT	ГΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	37		
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	0		
Potassium	ppm	ASTM D5185(m)	<0.1	<1		
Water	%	ASTM D6304*	< 0.05	0.004		
ppm Water	ppm	ASTM D6304*	<500	40.7		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>2500	838		
Particles >6µm		ASTM D7647	>640	211		
Particles >14μm		ASTM D7647	>80	8		
Particles >21µm		ASTM D7647	>20	2		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	17/15/10		



FUEL REPORT





CALA ISO 17025:2017 Accredited

Laboratory

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

: CU0020226

: 5669865

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : 02592786

Received Diagnosed

: 30 Oct 2023 : 01 Nov 2023

Diagnostician : Kevin Marson

CUMMINS DIESEL 50 SIMMONDS DRIVE DARTMOUTH, NS **CA B3B 1R3** Test Package : FUEL (Additional Tests: CC Flash, GC-PercFuel, PrtCount, SpecGravity)Contact: Maurice Connolly

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.

maurice.connolly@cummins.com T: (902)468-7938

F: (902)468-5177