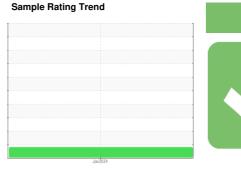


FUEL REPORT

Area [AU131239] **DEUTZ BELL NEW GERMANY**

Component **Diesel Fuel**

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (





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.

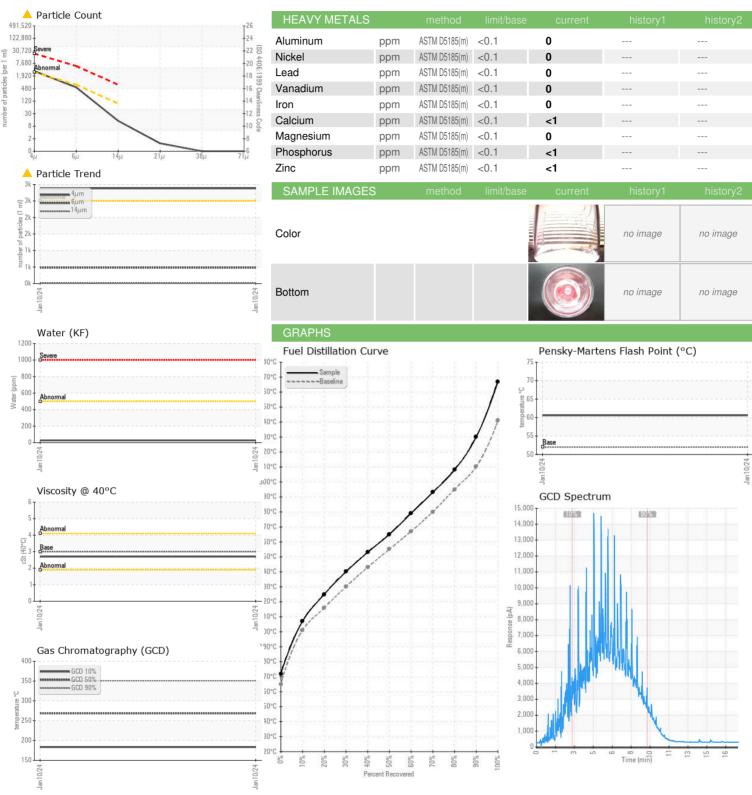
Fuel Condition

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).

R) (GAL)				Jan 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0022641		
Sample Date		Client Info		10 Jan 2024		
Machine Age	hrs	Client Info		4		
Sample Status				ATTENTION		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.843		
Fuel Color	text	Visual Screen*	Yllow	Yllow		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.7		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	60.6		
SULFUR CONTE	VT	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	172		
5% Distillation Point	°C	ASTM D2887*		195		
10% Distill Point	°C	ASTM D2887*	201	207		
15% Distillation Point	°C	ASTM D2887*		216		
20% Distill Point	°C	ASTM D2887*	216	225		
30% Distill Point	°C	ASTM D2887*	230	240		
40% Distill Point	°C	ASTM D2887*	243	253		
50% Distill Point	°C	ASTM D2887*	255	265		
60% Distill Point	°C	ASTM D2887*	267	279		
70% Distill Point	°C	ASTM D2887*	280	293		
80% Distill Point	°C	ASTM D2887*	295	308		
85% Distillation Point	°C	ASTM D2887*		319		
90% Distill Point	°C	ASTM D2887*	310	330		
95% Distillation Point	°C	ASTM D2887*		349		
Final Boiling Point	°C	ASTM D2887*	341	367		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	36		
Cetane Index		ASTM D4737*	<40.0	48		
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	27		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	2882		
Particles >6µm		ASTM D7647	>640	481		
Particles >14µm		ASTM D7647	>80	12		
Particles >21µm		ASTM D7647	>20	1		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	19/16/11		



FUEL REPORT





CALA ISO 17025:2017 Accredited

Laboratory

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

: CU0022641

: 02608823 : 5709909

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Recieved : 15 Jan 2024 Diagnosed : 17 Jan 2024

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.

CUMMINS DIESEL 50 SIMMONDS DRIVE

DARTMOUTH, NS **CA B3B 1R3**

Contact: Stephen Hulse stephen.hulse@cummins.com

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