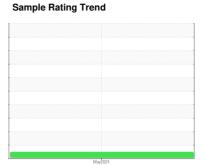


FUEL REPORT

COMPASS [154383]

3E 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.

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.

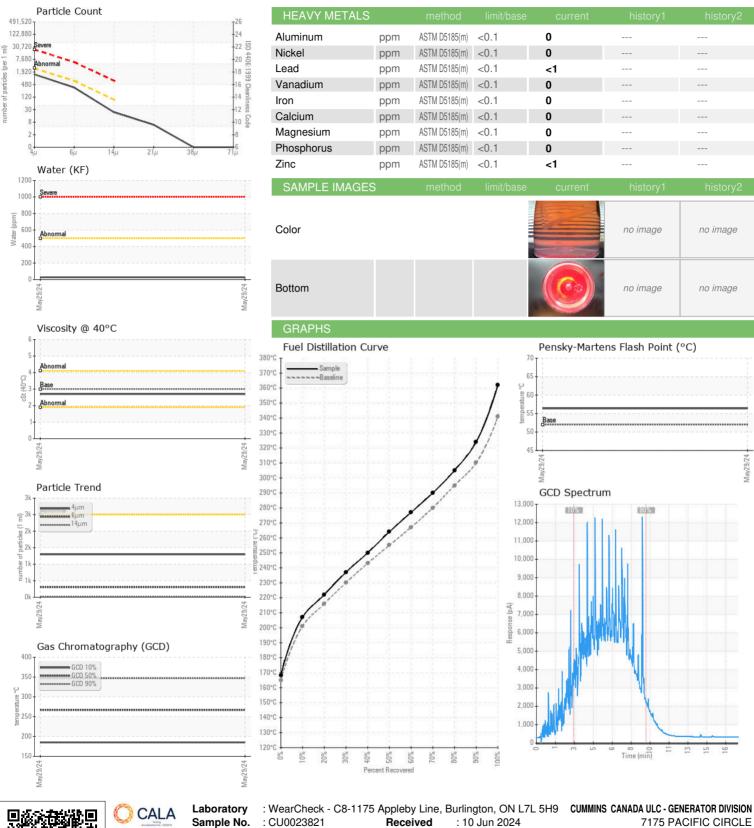
Fuel Condition

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)				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0023821		
Sample Date		Client Info		29 May 2024		
Machine Age	hrs	Client Info		13		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.842		
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	56.4		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	7		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	168		
5% Distillation Point	°C	ASTM D2887*		196		
10% Distill Point	°C	ASTM D2887*	201	207		
15% Distillation Point	°C	ASTM D2887*		214		
20% Distill Point	°C	ASTM D2887*	216	222		
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	290		
80% Distill Point	°C	ASTM D2887*	295	305		
85% Distillation Point	°C	ASTM D2887*		314		
90% Distill Point	°C	ASTM D2887*	310	324		
95% Distillation Point	°C	ASTM D2887*		338		
Final Boiling Point	°C	ASTM D2887*	341	362		
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	<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	1298		
Particles >6µm		ASTM D7647	>640	304		
Particles >14µm		ASTM D7647	>80	20		
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	17/15/11		
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FUEL REPORT





CALA ISO 17025:2017 Accredited Laboratory

Sample No.

: CU0023821 Lab Number : 02640908

Unique Number : 5798447

Received : 10 Jun 2024 **Tested** : 12 Jun 2024 Diagnosed : 12 Jun 2024 - Kevin Marson

Test Package : FUEL (Additional Tests: CC Flash, 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.

MISSISSAUGA, ON CA L5T 2A5

Contact: Elisia Johnson elisia.johnson@cummins.com

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