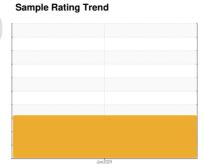


FUEL REPORT

[151646] 37189296

Diesel Fuel

No.2 DIESEL FUEL (LOW-SULPHUR) (--- G.





DIAGNOSIS

Recommendation

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.

Contaminants

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

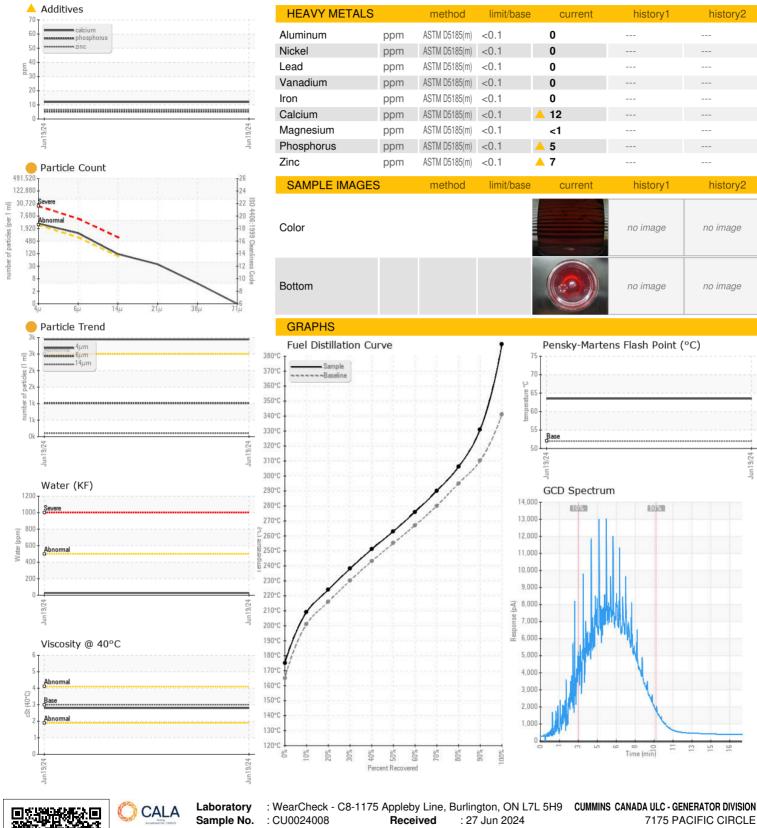
Fuel Condition

Additive levels indicate the addition of a different brand, or type of fuel. All laboratory tests indicate that this sample meets specifications for No.2 diesel fuel, low sulfur (US EPA/CGSB-3.517-3 type B).

A 1 \						
AL)				Jun 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0024008		
Sample Date		Client Info		19 Jun 2024		
Machine Age	hrs	Client Info		0		
Sample Status	1110	Chorte triio		ABNORMAL		
PHYSICAL PROP	EDTIES	method	limit/base		historyd	hiotom ()
	ENTIES			current	history1	history2
Specific Gravity	40.4	ASTM D1298*	0.839	0.849		
Fuel Color	text	Visual Screen*	Yllow	Orang		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.8		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	63.5		
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	250	26		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	175		
5% Distillation Point	°C	ASTM D2887*		199		
10% Distill Point	°C	ASTM D2887*	201	209		
15% Distillation Point	°C	ASTM D2887*		217		
20% Distill Point	°C	ASTM D2887*	216	224		
30% Distill Point	°C	ASTM D2887*	230	238		
40% Distill Point	°C	ASTM D2887*	243	251		
50% Distill Point	°C	ASTM D2887*	255	263		
60% Distill Point	°C	ASTM D2887*	267	276		
70% Distill Point	°C	ASTM D2887*	280	290		
80% Distill Point	°C	ASTM D2887*	295	306		
85% Distillation Point	°C	ASTM D2887*		318		
90% Distill Point	°C	ASTM D2887*	310	331		
95% Distillation Point	°C	ASTM D2887*		353		
Final Boiling Point	°C	ASTM D2887*	341	388		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	35		
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	0		
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	2943		
Particles >6µm		ASTM D7647	>640	0 1013		
Particles >14µm		ASTM D7647	>80	101		
Particles >21µm		ASTM D7647	>20	33		
Particles >38µm		ASTM D7647	>4	4		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	19/17/14		
			_			011111100



FUEL REPORT





ISO 17025:2017 Accredited Laboratory

Lab Number : 02644445

Unique Number : 5801984

Tested Diagnosed

: 03 Jul 2024 : 03 Jul 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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