

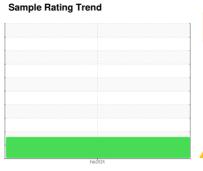
FUEL REPORT

QUASAR CONSULTING GROUP [152093]

2534426

Diesel Fuel

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





DIAGNOSIS

Recommendation

We advise that you filter this fluid before use. The filter change at the time of sampling has been noted. 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.

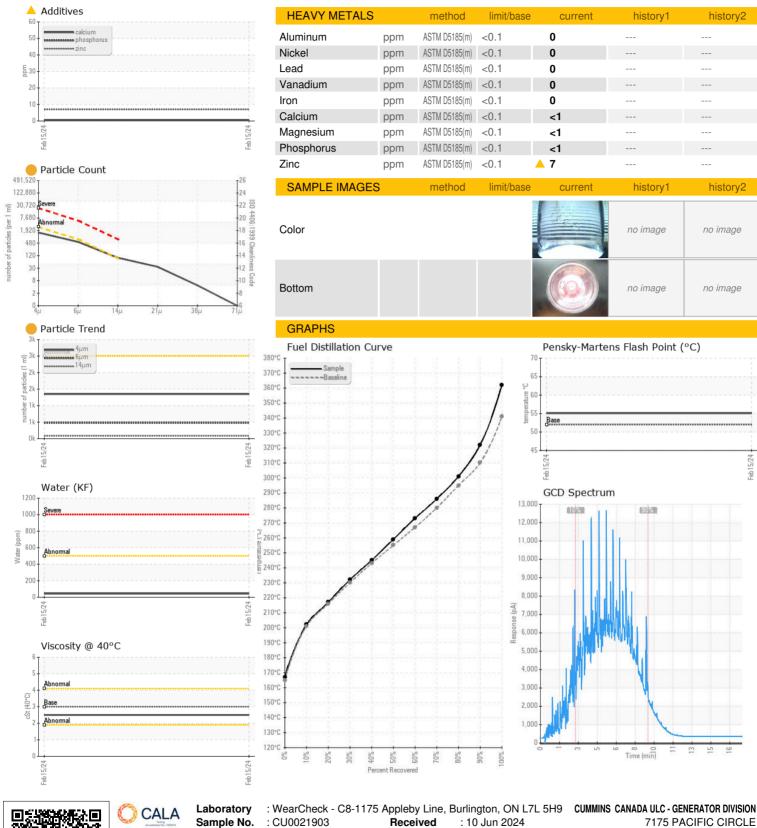
Fuel Condition

All laboratory tests indicate that this sample meets specifications for No.2 diesel fuel, low sulfur (US EPA/CGSB-3.517-3 type B).

AL)		,		Feb 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0021903		
Sample Date		Client Info		15 Feb 2024		
Machine Age	hrs	Client Info		163		
Sample Status				ABNORMAL		
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	2.5		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	55.1		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	250	31		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	167		
5% Distillation Point	°C	ASTM D2887*		192		
10% Distill Point	°C	ASTM D2887*	201	202		
15% Distillation Point	°C	ASTM D2887*		210		
20% Distill Point	°C	ASTM D2887*	216	217		
30% Distill Point	°C	ASTM D2887*	230	232		
40% Distill Point	°C	ASTM D2887*	243	245		
50% Distill Point	°C	ASTM D2887*	255	259		
60% Distill Point	°C	ASTM D2887*	267	273		
70% Distill Point	°C	ASTM D2887*	280	286		
80% Distill Point	°C	ASTM D2887*	295	301		
85% Distillation Point	°C	ASTM D2887*		312		
90% Distill Point	°C	ASTM D2887*	310	322		
95% Distillation Point	°C	ASTM D2887*		339		
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	47		
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	0.004		
ppm Water	ppm	ASTM D6304*	<500	43		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	1349		
Particles >6µm		ASTM D7647	>640	478		
Particles >14µm		ASTM D7647	>80	83		
Particles >21µm		ASTM D7647	>20	3 1		
Particles >38µm		ASTM D7647	>4	4		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	18/16/14		



FUEL REPORT





ISO 17025:2017 Accredited Laboratory

Sample No.

: CU0021903

Lab Number : 02640919 Unique Number : 5798458 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.

Tested Diagnosed

: 13 Jun 2024

: 13 Jun 2024 - Kevin Marson

Contact: Elisia Johnson elisia.johnson@cummins.com T: (905)795-0050

MISSISSAUGA, ON

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Validity of results and interpretation are based on the sample and information as supplied. Report Id: CUMMISGEN [WCAMIS] 02640919 (Generated: 06/13/2024 16:45:04) Rev: 1

Contact/Location: Elisia Johnson - CUMMISGEN

CA L5T 2A5