

FUEL REPORT

Sample Rating Trend



Area [148525] Machine Id 80059117

Component Diesel Fuel

Fluid

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

DIAGNOSIS

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 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

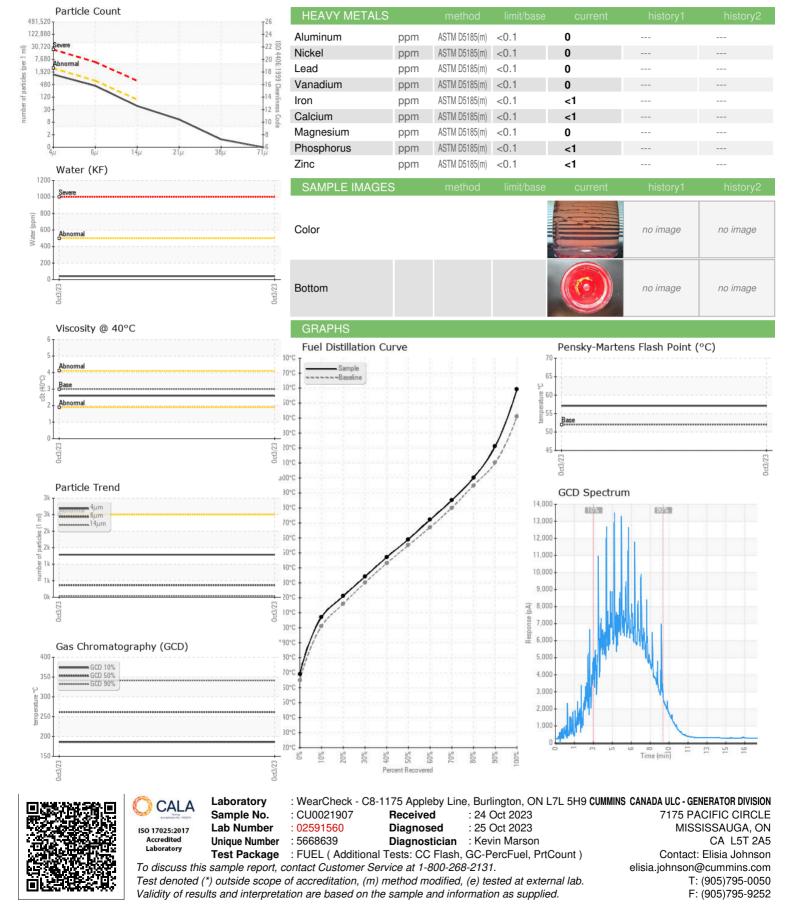
All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B).

			11 11 11			
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0021907		
Sample Date		Client Info		03 Oct 2023		
Machine Age	hrs	Client Info		51		
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	Orang		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.6		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	57.1		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	5		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	169		
5% Distillation Point	°C	ASTM D2887*		197		
10% Distill Point	°C	ASTM D2887*	201	207		
15% Distillation Point	°C	ASTM D2887*		214		
20% Distill Point	°C	ASTM D2887*	216	221		
30% Distill Point	°C	ASTM D2887*	230	234		
40% Distill Point	°C	ASTM D2887*	243	247		
50% Distill Point	°C	ASTM D2887*	255	259		
60% Distill Point	°C	ASTM D2887*	267	272		
70% Distill Point	°C	ASTM D2887*	280	285		
80% Distill Point	°C	ASTM D2887*	295	300		
85% Distillation Point	°C	ASTM D2887*		311		
90% Distill Point	°C	ASTM D2887*	310	321		
95% Distillation Point	°C	ASTM D2887*		337		
Final Boiling Point	°C	ASTM D2887*	341	359		
IGNITION QUALI	ΓY	method	limit/base		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	0		
Water	%	ASTM D6304*	<0.05	0.004		
ppm Water	ppm	ASTM D6304*	<500	41.5		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	1288		
Particles >6µm		ASTM D7647	>640	366		
Particles >14µm		ASTM D7647	>80	40		
Particles >21µm		ASTM D7647	>20	9		
Particles >38µm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	17/16/12		
			~			

Contact/Location: Elisia Johnson - CUMMISGEN



FUEL REPORT



Contact/Location: Elisia Johnson - CUMMISGEN