

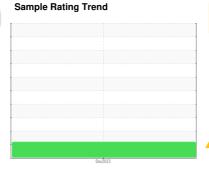
FUEL REPORT

0J032641

Component

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (





DIAGNOSIS

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. We recommend an early resample to monitor this condition.

Corrosion

{not applicable}

Contaminants

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

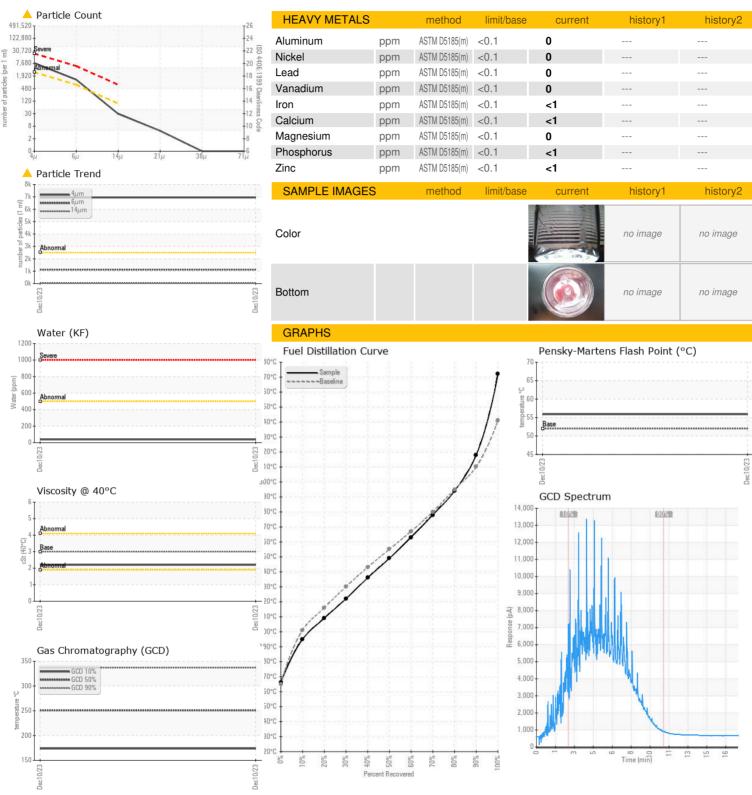
Fuel Condition

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). The fuel is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

R) (GAL)				Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0880019		
Sample Date		Client Info		10 Dec 2023		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.831		
Fuel Color	text	Visual Screen*	Yllow	Red		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.2		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	55.9		
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	166		
5% Distillation Point	°C	ASTM D2887*		186		
10% Distill Point	°C	ASTM D2887*	201	195		
15% Distillation Point	°C	ASTM D2887*		202		
20% Distill Point	°C	ASTM D2887*	216	209		
30% Distill Point	°C	ASTM D2887*	230	222		
40% Distill Point	°C	ASTM D2887*	243	236		
50% Distill Point	°C	ASTM D2887*	255	249		
60% Distill Point	°C	ASTM D2887*	267	263		
70% Distill Point	°C	ASTM D2887*	280	278		
80% Distill Point	°C	ASTM D2887*	295	294		
85% Distillation Point	°C	ASTM D2887*		306		
90% Distill Point	°C	ASTM D2887*	310	318		
95% Distillation Point	°C	ASTM D2887*		339		
Final Boiling Point	°C	ASTM D2887*	341	372		
IGNITION QUALIT	ГΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	38		
Cetane Index		ASTM D4737*	<40.0	49		
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	38		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	6944		
Particles >6µm		ASTM D7647	>640	<u> </u>		
Particles >14μm		ASTM D7647	>80	26		
Particles >21µm		ASTM D7647	>20	4		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<u>^</u> 20/17/12		



FUEL REPORT





ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number Unique Number

: WC0880019 Received : 02602456 Diagnose: : 5695541 Diagnostii

Received : 11 Dec 2023 Diagnosed : 13 Dec 2023 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.

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