

FUEL REPORT

Sample Rating Trend

ISO

Machine I **GOOGLE-LNR-B-1-A** Component

Diesel Fuel Fluid DIESEL FUEL No. 2 (--- GAL)

DIAGNOSIS

A Recommendation

We advise that you filter this fluid before use. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

Corrosion

All metal levels are normal indicating no corrosion in the system.

Contaminants

There is a high amount of particulates present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

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SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0869489		
Sample Date		Client Info		05 Oct 2023		
Machine Age	hrs	Client Info		0		
Sample Status				ATTENTION		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.843		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	4.1	2.67		
Pensky-Martens Flash Point	°C	*PMCC Calculated		59		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5453		9		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		165		
5% Distillation Point	°C	ASTM D86		194		
10% Distill Point	°C	ASTM D86		204		
15% Distillation Point	°C	ASTM D86		212		
20% Distill Point	°C	ASTM D86		220		
30% Distill Point	°C	ASTM D86		235		
40% Distill Point	°C	ASTM D86		249		
50% Distill Point	°C	ASTM D86		262		
60% Distill Point	°C	ASTM D86		276		
70% Distill Point	°C	ASTM D86		290		
80% Distill Point	°C	ASTM D86		306		
85% Distillation Point	°C	ASTM D86		315		
90% Distill Point	°C	ASTM D86		326		
95% Distillation Point	°C	ASTM D86		342		
Final Boiling Point	°C	ASTM D86		346		
Distillation Residue	%	ASTM D86 ASTM D86		1.4 0.5		
IGNITION QUALIT		method	limit/base		historv1	historv2
API Gravity		ASTM D7777	-mm/base	current 36.4		
Cetane Index		ASTM D7777 ASTM D4737	<40.0	47.8		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m	<1.0	0		
Sodium	ppm ppm	ASTM D5185m	<0.1	0		
Potassium	ppm	ASTM D5185m	<0.1	۰ <1		
Water	%	ASTM D5185III	< 0.05	0.009		
ppm Water	ppm	ASTM D6304	<500	95.5		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		
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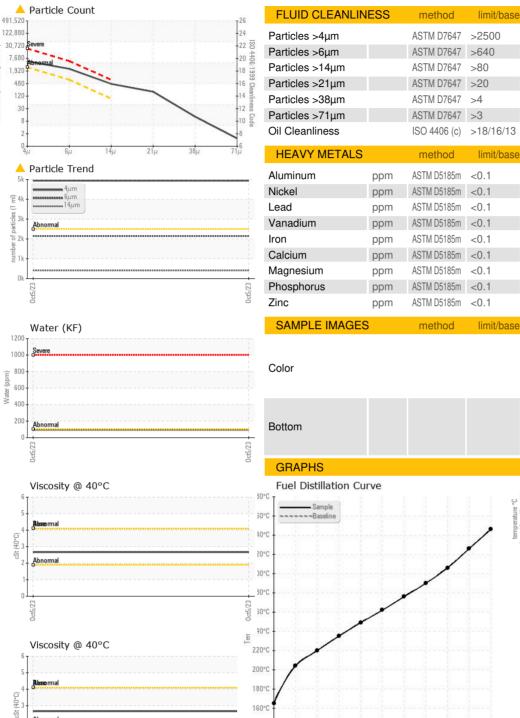
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number of particles (per 1

Water

Abnorma

FUEL REPORT



140°C 120°C %0 10%

30%

40% 50%

20%

%0L

80% 90%

: 17 Oct 2023

: 25 Oct 2023

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current

4938

2147



no image

no image

history1

history2





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