

**FUEL REPORT** 

GOOGLE-LNR-B-1-I

Component **Diesel Fuel** 

**DIESEL FUEL No. 2 (--- GAL)** 

# Sample Rating Trend ISO Octiva:

# DIAGNOSIS

### 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.

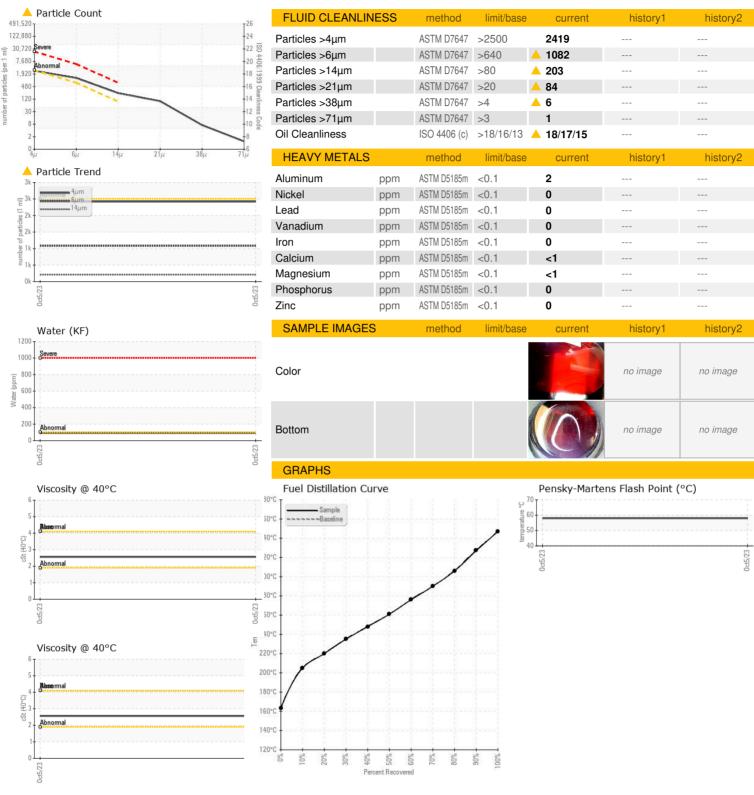
# **Fuel Condition**

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

				Oct2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0869487		
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
	LITTIES		IIIIII Dase			HISTOLYZ
Specific Gravity		*ASTM D1298		0.845		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500	4 4	L4.5		
Visc @ 40°C	cSt	ASTM D445	4.1	2.56		
Pensky-Martens Flash Point	°C	*PMCC Calculated		58		
SULFUR CONTE	VT	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		163		
5% Distillation Point	°C	ASTM D86		193		
10% Distill Point	°C	ASTM D86		205		
15% Distillation Point	°C	ASTM D86		213		
20% Distill Point	°C	ASTM D86		220		
30% Distill Point	°C	ASTM D86		235		
40% Distill Point	°C	ASTM D86		248		
50% Distill Point	°C	ASTM D86		261		
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		327		
95% Distillation Point	°C	ASTM D86		345		
Final Boiling Point	°C	ASTM D86		347		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.7		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		36.0		
Cetane Index		ASTM D4737	<40.0	47.1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	<0.1	0		
Potassium	ppm	ASTM D5185m	<0.1	<1		
Water	%	ASTM D6304	< 0.05	0.009		
ppm Water	ppm	ASTM D6304	<500	92.8		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



# **FUEL REPORT**





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: WC0869487 : 05981567

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

: 10698862 Diagnostician : Doug Bogart Test Package : DF-2 ( Additional Tests: Screen )

: 17 Oct 2023

: 25 Oct 2023

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

**VITAL FUEL SYSTEMS** 

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)