

FUEL REPORT

GOOGLE-LNR-B-2-D

Component **Diesel Fuel**

DIESEL FUEL No. 2 (--- GAL)

Sample Rating Trend



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.

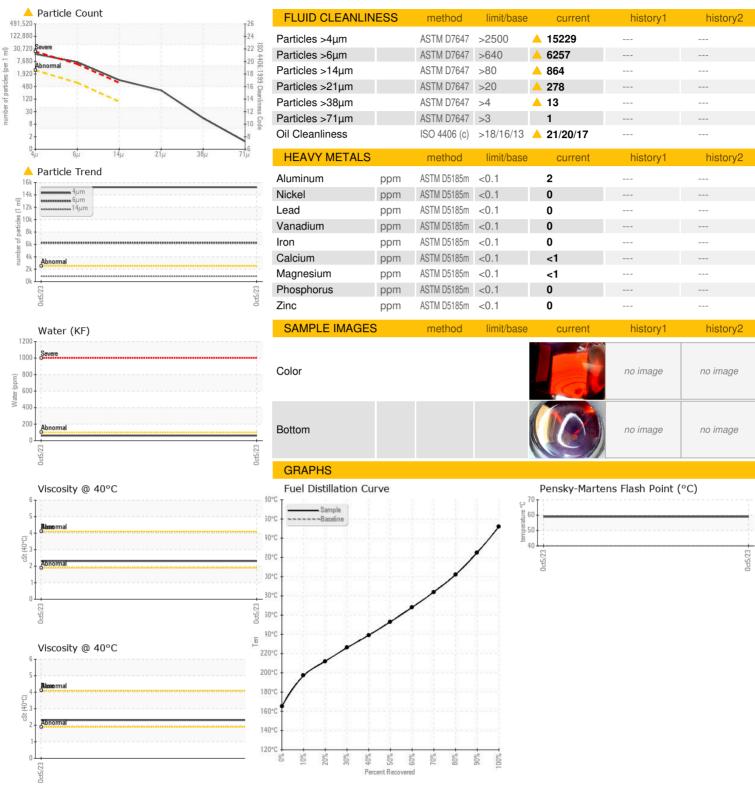
Fuel Condition

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		WC0862202		
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		0.838		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	4.1	2.31		
Pensky-Martens Flash Point	°C	*PMCC Calculated		59		
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		165		
5% Distillation Point	°C	ASTM D86		188		
10% Distill Point	°C	ASTM D86		197		
15% Distillation Point	°C	ASTM D86		204		
20% Distill Point	°C	ASTM D86		212		
30% Distill Point	°C	ASTM D86		226		
40% Distill Point	°C	ASTM D86		239		
50% Distill Point	°C	ASTM D86		253		
60% Distill Point	°C	ASTM D86		268		
70% Distill Point	°C	ASTM D86		284		
80% Distill Point	°C	ASTM D86		302		
85% Distillation Point	°C	ASTM D86		312		
90% Distill Point	°C	ASTM D86		325		
95% Distillation Point	°C	ASTM D86		344		
Final Boiling Point	°C	ASTM D86		352		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.8		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		37.4		
Cetane Index		ASTM D4737	<40.0	47.6		
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	0.006		
ppm Water	ppm	ASTM D6304	<500	61.0		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



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Certificate L2367

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0862202 : 05981561

Received Diagnosed : 10698856

: 25 Oct 2023 Diagnostician : Doug Bogart

: 17 Oct 2023

Test Package : DF-2 (Additional Tests: Screen) 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) **VITAL FUEL SYSTEMS** 1076 CLASSIC RD

APEX, NC US 27539

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