

FUEL REPORT

GOOGLE-LNR-B-2-I

Component **Diesel Fuel**

DIESEL FUEL No. 2 (--- GAL)

Sample Rating Trend **NORMAL**

Recommendation

No corrective action is recommended at this time. 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 moderate 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		WC0869488		
Sample Date		Client Info		05 Oct 2023		
Machine Age	hrs	Client Info		0		
Sample Status	1110	Oliotic itilio		NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
	LITTIES		IIIIIIIIIIII		History	Historyz
Specific Gravity		*ASTM D1298		0.844		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	4.1	2.46		
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		192		
10% Distill Point	°C	ASTM D86		202		
15% Distillation Point	°C	ASTM D86		211		
20% Distill Point	°C	ASTM D86		218		
30% Distill Point	°C	ASTM D86		233		
40% Distill Point	°C	ASTM D86		246		
50% Distill Point	°C	ASTM D86		259		
60% Distill Point	°C	ASTM D86		273		
70% Distill Point	°C	ASTM D86		287		
80% Distill Point	°C	ASTM D86		303		
85% Distillation Point	°C	ASTM D86		313		
90% Distill Point	°C	ASTM D86		324		
95% Distillation Point	°C	ASTM D86		342		
Final Boiling Point	°C	ASTM D86		350		
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		36.2		
Cetane Index		ASTM D4737	<40.0	46.7		
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	0.005		
ppm Water	ppm	ASTM D6304	<500	53.3		
% Gasoline	%	*In-House	< 0.50	0.0		
9/ Pindiagal	0/	*In House	-20.0	0.0		



FUEL REPORT





Report Id: VITAPE [WUSCAR] 05981562 (Generated: 10/29/2023 18:25:23) Rev: 1

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

: WC0869488

: 05981562 : 10698857

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Oct 2023 Diagnosed : 25 Oct 2023

Diagnostician : Doug Bogart

Test Package : DF-2 (Additional Tests: Screen) Certificate L2367 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)

Contact/Location: JOHN MORREALE - VITAPE