

# **FUEL REPORT**

**GOOGLE-LNR-B-2-B** 

Component **Diesel Fuel** 

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

# Sample Rating Trend



### Recommendation

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

The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. There is no indication of any contamination in the fuel. The amount and size of particulates present in the system are acceptable.

# **Fuel Condition**

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

				Oct2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0869445		
Sample Date		Client Info		05 Oct 2023		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
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		56		
SULFUR CONTER	٧T	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5453		10		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		157		
5% Distillation Point	°C	ASTM D86		191		
10% Distill Point	°C	ASTM D86		202		
15% Distillation Point	°C	ASTM D86		210		
20% Distill Point	°C	ASTM D86		217		
30% Distill Point	°C	ASTM D86		232		
40% Distill Point	°C	ASTM D86		245		
50% Distill Point	°C	ASTM D86		259		
60% Distill Point	°C	ASTM D86		272		
70% Distill Point	°C	ASTM D86		287		
80% Distill Point	°C	ASTM D86		304		
85% Distillation Point	°C	ASTM D86		314		
90% Distill Point	°C	ASTM D86		325		
95% Distillation Point	°C	ASTM D86		343		
Final Boiling Point	°C	ASTM D86		346		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.9		
IGNITION QUALIT	Υ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		36.2		
Cetane Index		ASTM D4737	<40.0	46.8		
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	97.5		
% Gasoline	%	*In-House	< 0.50	0.0		

%

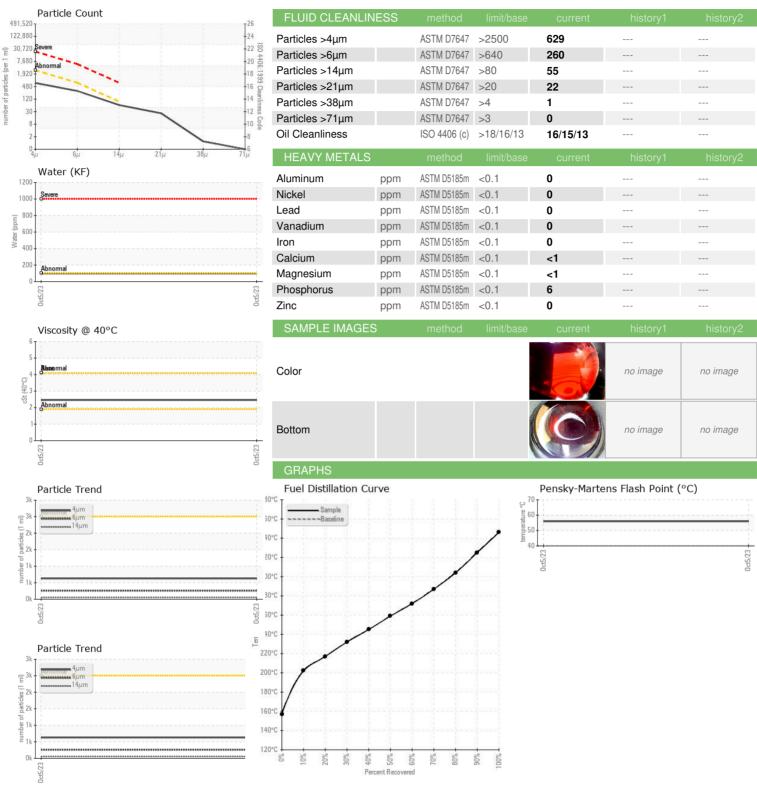
\*In-House <20.0

% Biodiesel

0.0



# **FUEL REPORT**





Certificate L2367

Report Id: VITAPE [WUSCAR] 05981550 (Generated: 10/29/2023 18:27:52) Rev: 1

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

: WC0869445 : 05981550

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Oct 2023 Diagnosed : 25 Oct 2023 : 10698845

Diagnostician : Doug Bogart 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

Contact: JOHN MORREALE jmorreale@vitalfuelsystems.com

T: (919)629-8180 F: (919)303-7399

Contact/Location: JOHN MORREALE - VITAPE