

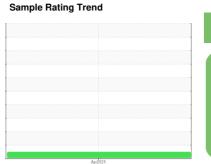
# **FUEL REPORT**

[POST POLISH]

FEDERAL RESERVE BANK UNDERGROUND

Tank Diesel Fuel

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





#### 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.

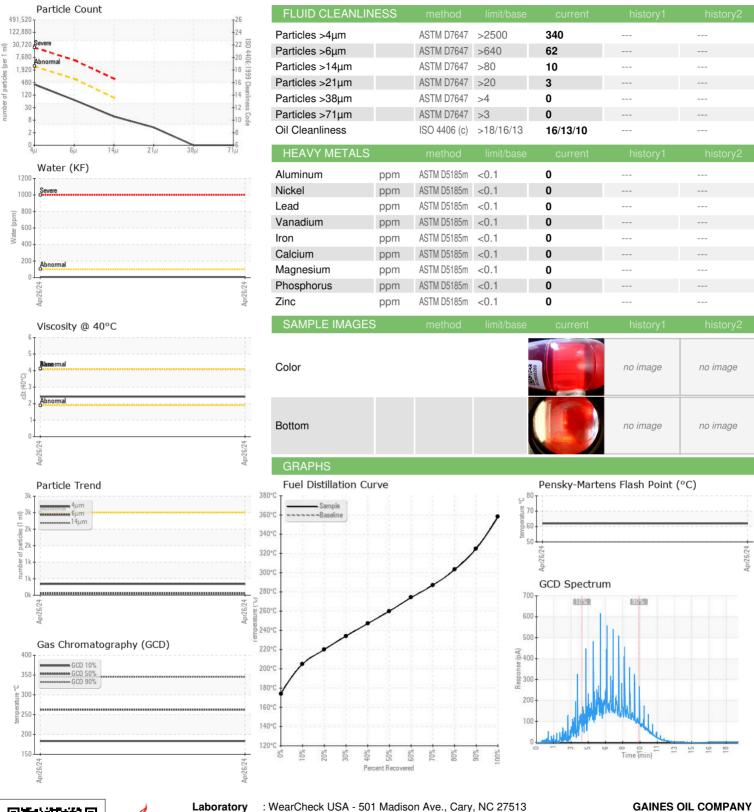
## **Fuel Condition**

Sulfur value derived by ASTM D5453 method for ULSD validation.

				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0888260		
Sample Date		Client Info		26 Apr 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	4.1	2.42		
Pensky-Martens Flash Point	°C	*PMCC Calculated		62		
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		117		
Sulfur (UVF)	ppm	ASTM D5453		109		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		174		
5% Distillation Point	°C	ASTM D86		196		
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		234		
40% Distill Point	°C	ASTM D86		247		
50% Distill Point	°C	ASTM D86		260		
60% Distill Point	°C	ASTM D86		274		
70% Distill Point	°C	ASTM D86		287		
80% Distill Point	°C	ASTM D86		303		
85% Distillation Point	°C	ASTM D86		314		
90% Distill Point	°C	ASTM D86		325		
95% Distillation Point	°C	ASTM D86		344		
Final Boiling Point	°C	ASTM D86		358		
IGNITION QUALIT	ГΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		37		
Cetane Index		ASTM D4737	<40.0	49		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1		
Sodium	ppm	ASTM D5185m	<0.1	<1		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	< 0.05	0.001		
ppm Water	ppm	ASTM D6304	<500	7		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



## **FUEL REPORT**







Certificate 12367

Laboratory Sample No.

: WC0888260 Lab Number : 06175999

Unique Number : 11022052

Received **Tested** Diagnosed

Test Package : DF-2 (Additional Tests: Fuel, 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)

2346 S MAIN ST GOLDSTON, NC US 27252

Contact: JOEL THOMAS joel@gainesoil.com T: (919)898-2231

F: (919)898-2981

Contact/Location: JOEL THOMAS - GAIGOL

: 10 May 2024

: 20 May 2024

: 20 May 2024 - Doug Bogart