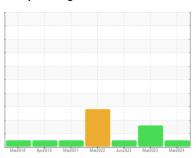


# **FUEL REPORT**

## **Sample Rating Trend**







# HF DIST 200

Component **Diesel Fuel** 

**DDSL (200 GAL)** 

#### DIAGNOSIS

#### 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

There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible. There is no indication of any contamination in the fuel.

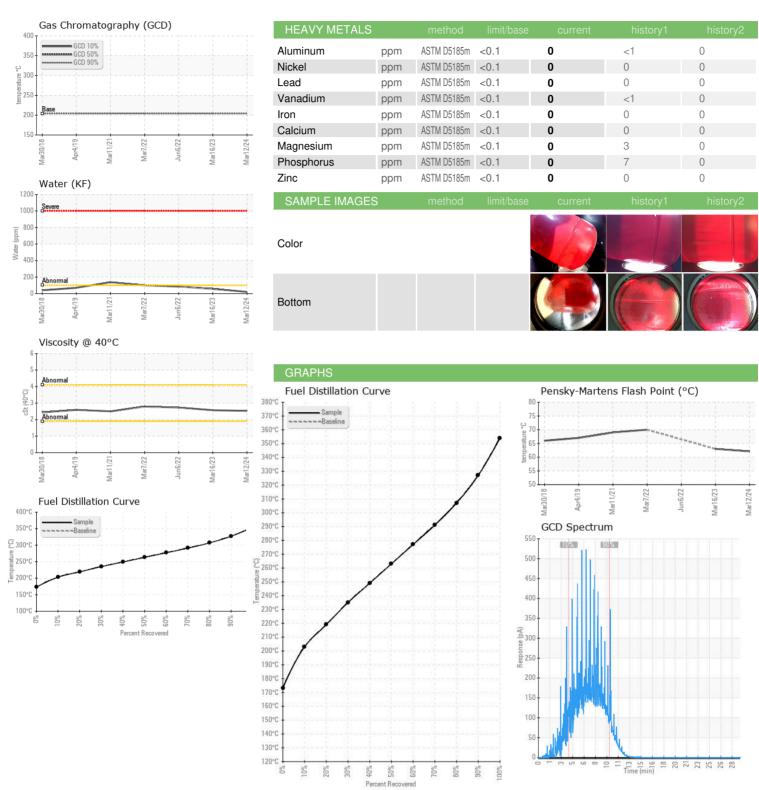
## **Fuel Condition**

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

		Mar2018	Apr2019 Mar2021	Mar2022 Jun2022 Mar2023	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WCDF4547	WCDF4359	WCDF04651
Sample Date		Client Info		12 Mar 2024	16 Mar 2023	06 Jun 2022
Machine Age	mls	Client Info		0	0	0
Sample Status				NORMAL	ABNORMAL	NORMAL
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298			0.838	
Fuel Color	text	*Visual Screen		Red	Red	
ASTM Color	scalar	*ASTM D1500		L4.5	L4.5	L5.5
Visc @ 40°C	cSt	ASTM D445		2.53	2.57	2.73
Pensky-Martens Flash Point	°C	*PMCC Calculated		62.1	63	
Cloud Point	°C	ASTM D5771		-13	-11	
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		20	0	17
Sulfur (UVF)	ppm	ASTM D5453		14	86	18
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		173	172	
5% Distillation Point	°C	ASTM D86		193	194	
10% Distill Point	°C	ASTM D86		203	204	
15% Distillation Point	°C	ASTM D86		211	213	
20% Distill Point	°C	ASTM D86		219	220	
30% Distill Point	°C	ASTM D86		235	235	
40% Distill Point	°C	ASTM D86		249	249	
50% Distill Point	°C	ASTM D86		263	264	
60% Distill Point	°C	ASTM D86		277	278	
70% Distill Point	°C	ASTM D86		291	293	
80% Distill Point	°C	ASTM D86		307	309	
85% Distillation Point	°C	ASTM D86		317	318	
90% Distill Point	°C	ASTM D86		327	329	
95% Distillation Point	°C	ASTM D86		341	344	
Final Boiling Point	°C	ASTM D86		354	352	
Distillation Residue	%	ASTM D86			1.4	
Distillation Loss	%	ASTM D86			0.6	
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		37	37.4	
Cetane Index		ASTM D4737	<40.0	49	50.1	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	1	0
Sodium	ppm	ASTM D5185m	<0.1	<1	<1	0
Potassium	ppm	ASTM D5185m	< 0.1	<1	<1	0
Water	%	ASTM D6304	< 0.05	0.002	0.005	0.008
ppm Water	ppm	ASTM D6304	< 500	20	56.8	84.7
% Gasoline	%	*In-House	< 0.50	0.0	0.0	0.0
% Biodiesel	%	*In-House	<20.0	1.5	2.6	0.0



# **FUEL REPORT**





Laboratory Sample No.

: WCDF4547 Lab Number : 06121298

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

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

Received **Tested** Unique Number: 10930131

: 01 Apr 2024 Diagnosed Test Package: DF-2 (Additional Tests: CldPt, Fuel, Screen)

: 01 Apr 2024 - Doug Bogart

: 18 Mar 2024

Contact: WENDALL STRODERD wendall@tankwizards.com

T: (321)427-5149

1511 MASTERS RD NW

\* - 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)

F: (321)574-4131

**TANK WIZARDS** 

PALM BAY, FL

US 32907