

## **FUEL REPORT**

# VIERA TANK 1

Component **Diesel Fuel** 

No.2 DIESEL FUEL (ULTRALOW SULPHUF

# Sample Rating Trend



### DIAGNOSIS

### Recommendation

We advise that you follow the water drain-off procedure for this component. All other laboratory tests indicate that this sample meets specifications for No.2 low-sulfur diesel fuel. Please note that this is a corrected copy for laboratory data and diagnostic comment updates.

### Corrosion

All metal levels are normal indicating no corrosion in the system.

### Contaminants

Excessive free water present. There is no bacteria or fungus (yeast and/or mold) present in the sample.

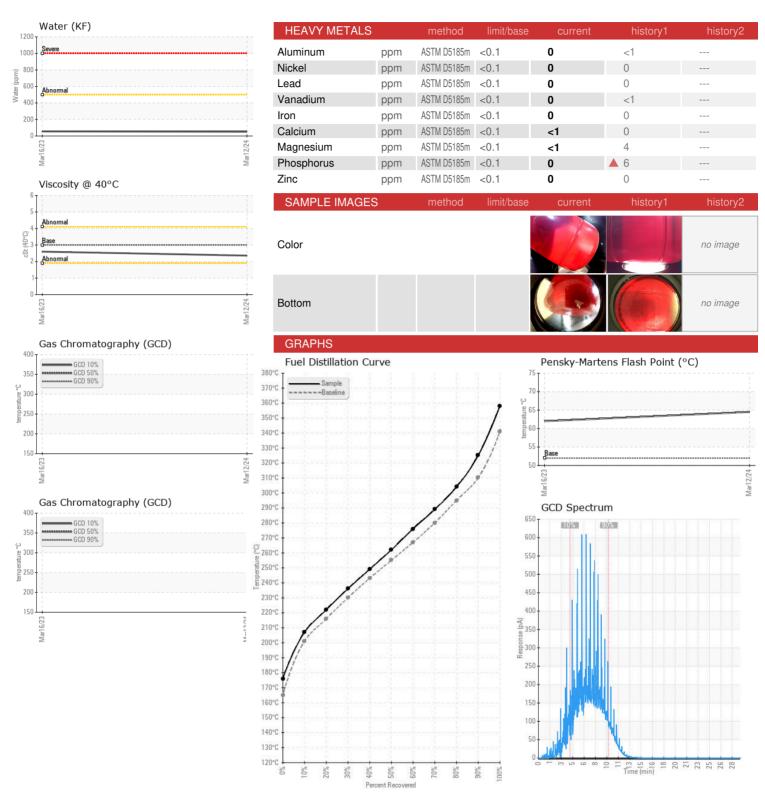
### **Fuel Condition**

Sulfur value derived by ASTM D5453 method for ULSD validation.

(10000 GAL)						
SAMPLE INFORM	MATION	method	Marž023	Maž024	history	history?
	IATION		IIIIIIVDase	current	history1	history2
Sample Number		Client Info		WCDF4539	WCDF4343	
Sample Date	mla	Client Info		12 Mar 2024	16 Mar 2023	
Machine Age Sample Status	mls	Client Info		0 SEVERE	0 SEVERE	
·				SEVENE		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298	0.839		0.839	
Fuel Color	text	*Visual Screen	Yllow	Red	Red	
ASTM Color	scalar	*ASTM D1500		L4.5	L4.0	
Visc @ 40°C	cSt	ASTM D445	3.0	2.36	2.6	
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	64.5	62	
Cloud Point	°C	ASTM D5771		-11	-11	
SULFUR CONTE	NΤ	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	24	0	
Sulfur (UVF)	ppm	ASTM D5453		19	51	
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	176	170	
5% Distillation Point	°C	ASTM D86		198	194	
10% Distill Point	°C	ASTM D86	201	207	205	
15% Distillation Point	°C	ASTM D86		215	213	
20% Distill Point	°C	ASTM D86	216	222	220	
30% Distill Point	°C	ASTM D86	230	236	234	
40% Distill Point	°C	ASTM D86	243	249	248	
50% Distill Point	°C	ASTM D86	255	262	262	
60% Distill Point	°C	ASTM D86	267	276	275	
70% Distill Point	°C	ASTM D86	280	289	289	
80% Distill Point	°C	ASTM D86	295	304	305	
85% Distillation Point	°C	ASTM D86		315	315	
90% Distill Point	°C	ASTM D86	310	325	326	
95% Distillation Point	°C	ASTM D86		343	344	
Final Boiling Point	°C	ASTM D86	341	358	352	
Distillation Residue	%	ASTM D86	3.0		1.4	
Distillation Loss	%	ASTM D86	3.0		0.8	
IGNITION QUALIT	ГΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37.3	37.2	
Cetane Index		ASTM D4737	<40.0	50	49.5	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	<1	
Sodium	ppm	ASTM D5185m	<0.1	<1	<1	
Potassium	ppm	ASTM D5185m	< 0.1	<1	0	
Water	%	ASTM D6304	< 0.05	0.005	0.005	
ppm Water	ppm	ASTM D6304	<500	52	55.4	
% Gasoline	%	*In-House	< 0.50	0.0	0.0	
% Biodiesel	%	*In-House	<20.0	0.0	0.0	



### **FUEL REPORT**





Laboratory Sample No. Lab Number : 06121305 Unique Number: 10930138

: WCDF4539

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

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

: 03 Apr 2024

: 03 Apr 2024 - Doug Bogart

: 18 Mar 2024

**TANK WIZARDS** 1511 MASTERS RD NW PALM BAY, FL US 32907

Contact: WENDALL STRODERD wendall@tankwizards.com

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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)