

## **FUEL REPORT**

Sample Rating Trend

### NORMAL

## Area Sacred Heart Pensacola [Sacred Heart Pensacola] BOILER

Tank Diesel Fuel

Fluid No.2 DIESEL FUEL (ULTRALOW SULPHUR) (10000 GAL)

#### DIAGNOSIS

#### Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 low-sulfur diesel fuel. Please note that this is a corrected copy for diagnostic comment updates.

#### Corrosion

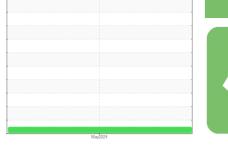
All metal levels are normal indicating no corrosion in the system.

#### Contaminants

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

#### **Fuel Condition**

Sulfur value derived by ASTM D5453 method for ULSD validation.





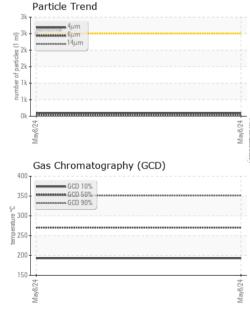
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06179640		
Sample Date		Client Info		08 May 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445	3.0	2.73		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	68.6		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	19		
Sulfur (UVF)	ppm	ASTM D5453		22		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	182		
5% Distillation Point	°C	ASTM D86		205		
10% Distill Point	°C	ASTM D86	201	213		
15% Distillation Point	°C	ASTM D86		221		
20% Distill Point	°C	ASTM D86	216	228		
30% Distill Point	°C	ASTM D86	230	242		
40% Distill Point	°C	ASTM D86	243	254		
50% Distill Point	°C	ASTM D86	255	267		
60% Distill Point	°C	ASTM D86	267	280		
70% Distill Point	°C	ASTM D86	280	293		
80% Distill Point	°C	ASTM D86	295	308		
85% Distillation Point	°C	ASTM D86		319		
90% Distill Point	°C	ASTM D86	310	329		
95% Distillation Point	°C	ASTM D86		347		
Final Boiling Point	°C	ASTM D86	341	361		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37		
Cetane Index		ASTM D4737	<40.0	52		
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	0.005		
ppm Water	ppm	ASTM D6304	<500	55		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



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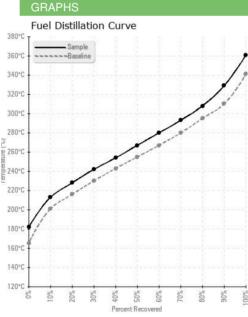
	ticle Cour	it.			
491,520					T <sup>26</sup>
122,880					-24
30,720 Severe					-22
7,680 Abnor	mal				-20
1,920	- C	142 C			-18
480-					-16
120					-14
30		~			+20 +18 +16 +14 +12 +10
8-					10 8
0 4µ	6µ	14µ	21µ	38µ	71µ
	ter (KF) me				
Wa 1200	re				
Wa 1200 1000 - Seve 800 600 - Abn 200	re				
Wa 1200 1000 800 400 200 0	re				24
Wa 1200 1000 800 400 200 0	re				an024 +
Wa 1200 1000 - Seve 800 600 - Abn 200	re				Mav824
Wa 1200 1000 8000 400 400 0 600 400 0 800 0 800 0 800 1000 800 1000 800 1000 1000 800 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000000	omal	40°C			Max824
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FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	99		
Particles >6µm		ASTM D7647	>640	39		
Particles >14µm		ASTM D7647	>80	8		
Particles >21µm		ASTM D7647	>20	2		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	14/12/10		
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0		
Nickel	ppm	ASTM D5185m	<0.1	0		
Lead	ppm	ASTM D5185m	<0.1	0		
Vanadium	ppm	ASTM D5185m	<0.1	0		
Iron	ppm	ASTM D5185m	<0.1	0		
Calcium	ppm	ASTM D5185m	<0.1	0		
Magnesium	ppm	ASTM D5185m	<0.1	0		
Phosphorus	ppm	ASTM D5185m	<0.1	<1		
Zinc	ppm	ASTM D5185m	<0.1	0		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
				1 States		

#### Bottom



#### 8 월 70 60 GCD Spectrum 550 500 450 400 (N 350 300 200 150 100 50 Time (min) 5 19 20

no image

Pensky-Martens Flash Point (°C)

no image



PETROLEUM RECOVERY SERVICES Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC06179640 Received 210 POWELL DR Sample No. : 14 May 2024 Lab Number : 06179640 Tested : 20 May 2024 SUMMERVILLE, SC Unique Number : 11030966 Diagnosed : 20 May 2024 - Doug Bogart US 29483 Test Package : DF-2 (Additional Tests: Fuel, Screen) Contact: AJAY EL To discuss this sample report, contact Customer Service at 1-800-237-1369. Ajay@prsfuel.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (843)225-1777 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: PETSUM [WUSCAR] 06179640 (Generated: 05/20/2024 16:27:44) Rev: 2

Certificate 12367

Contact/Location: AJAY EL - PETSUM

Page 2 of 2

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