

## Area HILTON HEAD PSD [4985] [HILTON HEAD PSD] DAY

Diesel Fuel

Fluid No.2 DIESEL FUEL (ULTRALOW SULPHUR) (150 GAL)

### DIAGNOSIS

#### A Recommendation

We advise that you filter this fluid before use. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

#### Corrosion

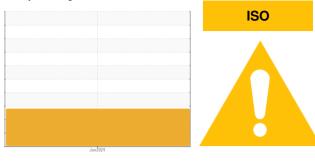
All metal levels are normal indicating no corrosion in the system.

### Contaminants

There is a high amount of particulates present in the fuel. Light concentration of visible dirt/debris present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample.

#### **Fuel Condition**

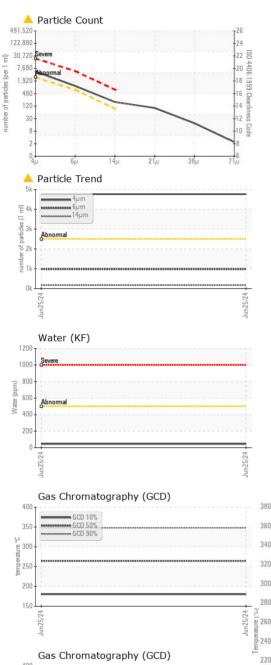
Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

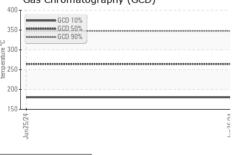


SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0957809		
Sample Date		Client Info		25 Jun 2024		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	60.7		
SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		8		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	171		
5% Distillation Point	°C	ASTM D86		193		
10% Distill Point	°C	ASTM D86	201	203		
15% Distillation Point	°C	ASTM D86		211		
20% Distill Point	°C	ASTM D86	216	219		
30% Distill Point	°C	ASTM D86	230	234		
40% Distill Point	°C	ASTM D86	243	248		
50% Distill Point	°C	ASTM D86	255	261		
60% Distill Point	°C	ASTM D86	267	275		
70% Distill Point	°C	ASTM D86	280	289		
80% Distill Point	°C	ASTM D86	295	305		
85% Distillation Point		ASTM D86		316		
90% Distill Point	°C	ASTM D86	310	326		
95% Distillation Point	°C	ASTM D86		343		
Final Boiling Point	°C	ASTM D86	341	359		
IGNITION QUALI	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36		
Cetane Index		ASTM D4737	<40.0	48		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	<0.1	<1		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	< 0.05	0.004		
ppm Water	ppm	ASTM D6304	<500	45		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		

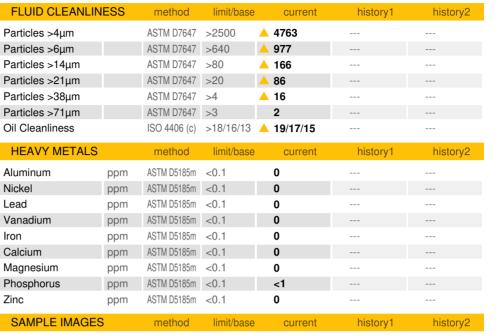


# FUEL REPORT





	5	Percent Recovered										
	VC	120°C	10% -	20% -	30% -	40%-	50% +	- %09	- %0L	80% +	+ %06	100%
		140°C -										
		160°C										
*******		180°C -	/									
		200°C -	1	-								

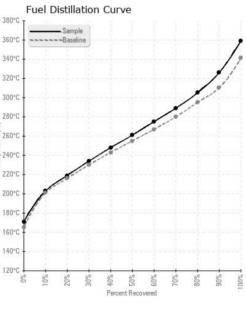


Color

Bottom



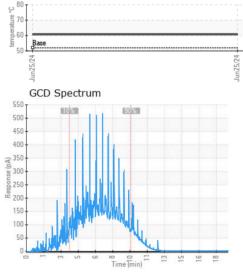
#### GRAPHS



## Pensky-Martens Flash Point (°C)

no image

no image





: WC0957809 Sample No. Received : 25 Jun 2024 210 POWELL DR Lab Number : 06220614 Tested : 01 Jul 2024 SUMMERVILLE, SC Unique Number : 11098811 Diagnosed : 01 Jul 2024 - Elizabeth Valachovic Test Package : DF-2 (Additional Tests: Fuel, Screen) Contact: AJAY EL Certificate 12367 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)

Contact/Location: AJAY EL - PETSUM

PETROLEUM RECOVERY SERVICES

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Report Id: PETSUM [WUSCAR] 06220614 (Generated: 07/02/2024 04:16:27) Rev: 2