

## **FUEL REPORT**

Sample Rating Trend

### NORMAL

## Area St Francis Emergency Ctr [St Francis Emergency Ctr] BOAT MARINA

Port Diesel Fuel

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

#### DIAGNOSIS

#### Recommendation

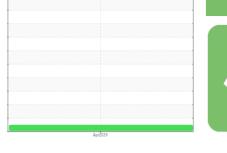
Laboratory test indicate that this fuel is suitable for use and meets all test requirements. Resample at the next service interval to monitor.

#### Contaminants

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. There is no indication of any contamination in the diesel fuel.

#### **Fuel Condition**

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B).



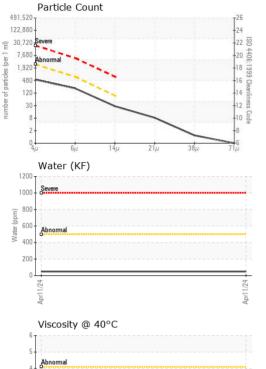


SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06152462		
Sample Date		Client Info		11 Apr 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	3.0	2.53		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	61.3		
SULFUR CONTEI	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		9		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	172		
5% Distillation Point	°C	ASTM D86		194		
10% Distill Point	°C	ASTM D86	201	204		
15% Distillation Point	°C	ASTM D86		212		
20% Distill Point	°C	ASTM D86	216	220		
30% Distill Point	°C	ASTM D86	230	235		
40% Distill Point	°C	ASTM D86	243	248		
50% Distill Point	°C	ASTM D86	255	262		
60% Distill Point	°C	ASTM D86	267	276		
70% Distill Point	°C	ASTM D86	280	290		
80% Distill Point	°C	ASTM D86	295	306		
85% Distillation Point	°C	ASTM D86		317		
90% Distill Point	°C	ASTM D86	310	327		
95% Distillation Point	°C	ASTM D86		346		
Final Boiling Point	°C	ASTM D86	341	360		
IGNITION QUALI	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36		
Cetane Index		ASTM D4737	<40.0	49		
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	<1		
Water	%	ASTM D6304	< 0.05	0.004		
ppm Water	ppm	ASTM D6304	<500	49		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		

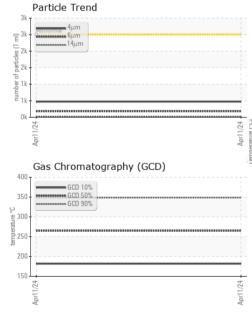


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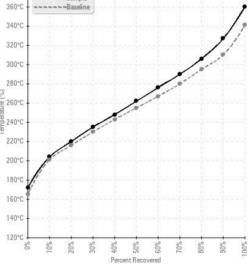
FLUID CLEANLINESS



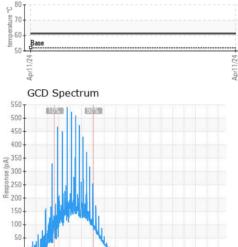




Particles >4µm		ASTM D7647	>2500	471		
Particles >6µm		ASTM D7647	>640	178		
Particles >14µm		ASTM D7647	>80	25		
Particles >21µm		ASTM D7647	>20	7		
Particles >38µm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	16/15/12		
HEAVY METALS		method	limit/bas	e current	history1	hi
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	0		
Zinc	ppm	ASTM D5185m	<0.1	0		
SAMPLE IMAGES	S .	method	limit/bas	e current	history1	hi
Color					no image	no i
Bottom					no image	no i
GRAPHS						
Fuel Distillation Cu	irve			Pensky-Marte	ens Flash Point (	°C)
°C Sample				80 70 60 Base		
°CBaseline			1	70		
°C -			19	Base		
•r			11	50 L P		



380%



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PETROLEUM RECOVERY SERVICES Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC06152462 Sample No. Received : 17 Apr 2024 210 POWELL DR Lab Number : 06152462 Tested : 26 Apr 2024 SUMMERVILLE, SC : 26 Apr 2024 - Angela Borella Unique Number : 10982540 Diagnosed US 29483 Test Package : DF-2 (Additional Tests: CldPt, 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)

Report Id: PETSUM [WUSCAR] 06152462 (Generated: 05/27/2024 14:48:54) Rev: 1

Contact/Location: AJAY EL - PETSUM

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