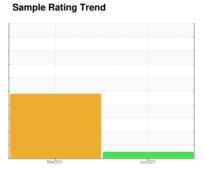


FUEL REPORT

Carilion Roanoke Memorial Hospital [17691] [Carilion Roanoke Memorial Hospital] TANK 4 BOILER RES

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUF





DIAGNOSIS

Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 low-sulfur diesel fuel.

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. There is no indication of any contamination in the fuel. The amount and size of particulates present in the system are acceptable.

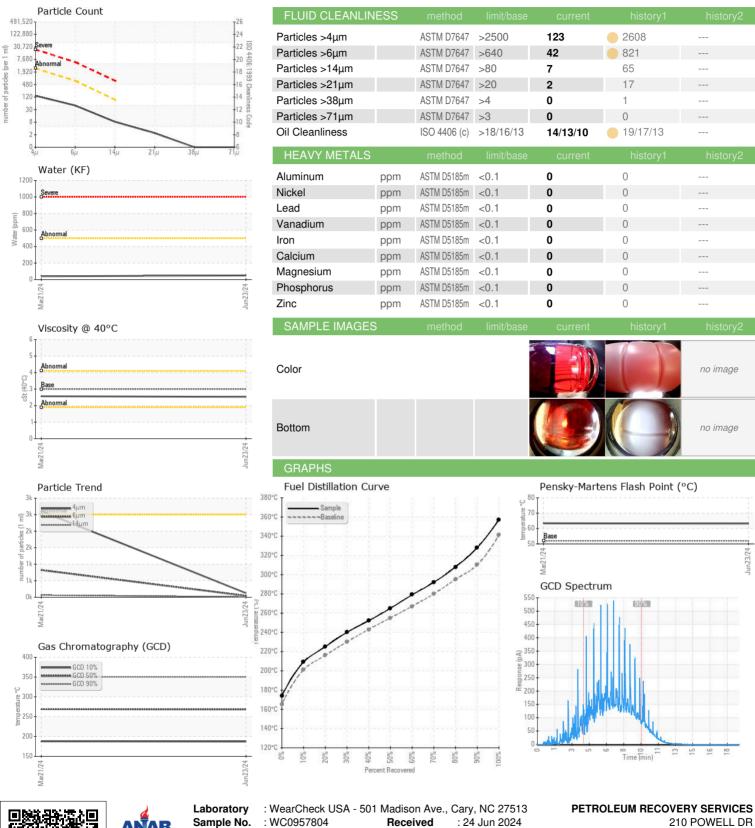
Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

R) (20000 GAL)			Mar2024	Jun 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0957804	WC06139079	
Sample Date		Client Info		23 Jun 2024	21 Mar 2024	
Machine Age	hrs	Client Info		0	0	
Sample Status				NORMAL	ABNORMAL	
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
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	2.53	2.57	
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	63.2	63.4	
SULFUR CONTER	NΤ	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	186	188	
Sulfur (UVF)	ppm	ASTM D5453		109	153	
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	174	174	
5% Distillation Point	°C	ASTM D86		199	199	
10% Distill Point	°C	ASTM D86	201	209	210	
15% Distillation Point	°C	ASTM D86		217	218	
20% Distill Point	°C	ASTM D86	216	225	226	
30% Distill Point	°C	ASTM D86	230	240	240	
40% Distill Point	°C	ASTM D86	243	252	253	
50% Distill Point	°C	ASTM D86	255	265	266	
60% Distill Point	°C	ASTM D86	267	279	279	
70% Distill Point	°C	ASTM D86	280	292	293	
80% Distill Point 85% Distillation Point	°C	ASTM D86	295	308 318	308 318	
90% Distill Point	°C	ASTM D86	310	328	328	
95% Distillation Point	°C	ASTM D86	310	344	344	
Final Boiling Point	°C	ASTM D86	341	357	356	
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36	36	
Cetane Index		ASTM D4737	<40.0	49	48	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	0	
Sodium	ppm	ASTM D5185m	<0.1	1	<1	
Potassium	ppm	ASTM D5185m	<0.1	<1	0	
Water	%	ASTM D6304	< 0.05	0.005	0.003	
ppm Water	ppm	ASTM D6304	< 500	50	40	
% Gasoline	%	*In-House	< 0.50	0.0	0.0	
% Biodiesel	%	*In-House	<20.0	1.3	1.2	



FUEL REPORT







Certificate 12367

Sample No.

Lab Number

: WC0957804 : 06218728 Unique Number : 11096925

Diagnosed Test Package : DF-2 (Additional Tests: Fuel, Screen) To discuss this sample report, contact Customer Service at 1-800-237-1369.

Tested

: 27 Jun 2024

: 27 Jun 2024 - Elizabeth Valachovic

* - 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)

210 POWELL DR SUMMERVILLE, SC US 29483

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Contact/Location: AJAY EL - PETSUM