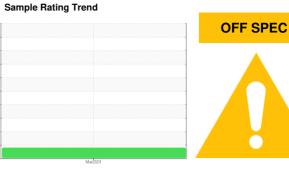


## **FUEL REPORT**

# **Carilion Roanoke Memorial Hospital [4613]** [Carilion Roanoke Memorial Hospital] CANCER CTR 1

**Diesel Fuel** 

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (20000 GAL)



### **DIAGNOSIS**

#### Recommendation

We advise an early resample to confirm this situation.

#### 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.

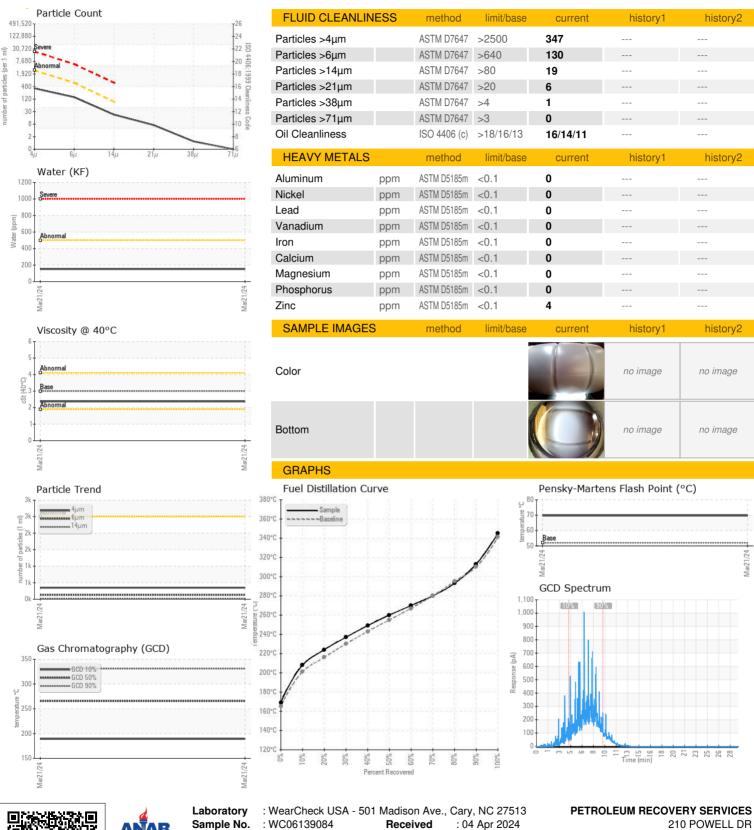
#### ▲ Fuel Condition

The Cetane Number is lower than normal. Sulfur value derived by ASTM D5453 method for ULSD

R) (20000 GAL)				Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06139084		
Sample Date		Client Info		21 Mar 2024		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	<b>ERTIES</b>	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298	0.839	0.868		
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	3.0	2.37		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	69.7		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	2634		
Sulfur (UVF)	ppm	ASTM D5453		2047		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	169		
5% Distillation Point	°C	ASTM D86		198		
10% Distill Point	°C	ASTM D86	201	208		
15% Distillation Point	°C	ASTM D86		215		
20% Distill Point	°C	ASTM D86	216	224		
30% Distill Point	°C	ASTM D86	230	237		
40% Distill Point	°C	ASTM D86	243	249		
50% Distill Point	°C	ASTM D86	255	260		
60% Distill Point	°C	ASTM D86	267	270		
70% Distill Point	°C	ASTM D86	280	280		
80% Distill Point	°C	ASTM D86	295	293		
85% Distillation Point	°C	ASTM D86	040	301		
90% Distill Point	°C	ASTM D86	310	313		
95% Distillation Point	°C	ASTM D86	0.44	333		
Final Boiling Point	°C	ASTM D86	341	345		
Distillation Residue Distillation Loss	%	ASTM D86 ASTM D86	3.0	1.4 0.3		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	31.5		
Cetane Index		ASTM D4737	<40.0	△ 35.6		
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	0.015		
ppm Water	ppm	ASTM D6304	<500	151		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



## **FUEL REPORT**







Certificate 12367

Sample No.

Lab Number : 06139084

: WC06139084 Unique Number : 10963892

**Tested** 

Diagnosed : 15 Apr 2024 - Doug Bogart

: 15 Apr 2024

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

210 POWELL DR SUMMERVILLE, SC US 29483

Contact: AJAY EL Ajay@prsfuel.com T: (843)225-1777

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)