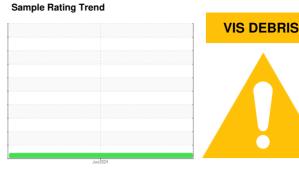


# **FUEL REPORT**

# **CITY OF ROCK HILL [17792]** [CITY OF ROCK HILL] NEW OPS 1

**Diesel Fuel** 

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (2000 GAL)



### **DIAGNOSIS**

#### Recommendation

We recommend you service the filters on this component if applicable. All laboratory tests indicate that this sample meets specifications for No.2 ultralow-sulfur diesel fuel.

#### Corrosion

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

#### Contaminants

Moderate 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. The amount and size of particulates present in the system are acceptable.

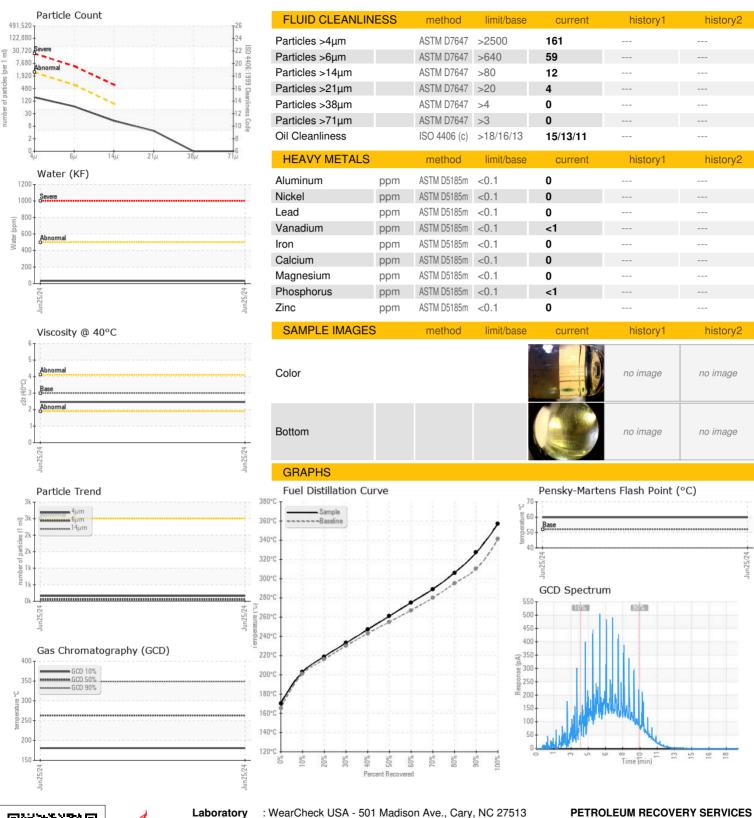
#### **Fuel Condition**

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

R) (2000 GAL)			,	Jun 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0957754		
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	Yllow		
ASTM Color	scalar	*ASTM D1500		L2.5		
Visc @ 40°C	cSt	ASTM D445	3.0	2.46		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	59.9		
SULFUR CONTE	NT	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	170		
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	233		
40% Distill Point	°C	ASTM D86	243	247		
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	306		
85% Distillation Point	°C	ASTM D86		316		
90% Distill Point	°C	ASTM D86	310	327		
95% Distillation Point	°C	ASTM D86		343		
Final Boiling Point	°C	ASTM D86	341	357		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37		
Cetane Index		ASTM D4737	<40.0	49		
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	1		
Water	%	ASTM D6304	< 0.05	0.003		
ppm Water	ppm	ASTM D6304	< 500	32		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	1.5		



## **FUEL REPORT**







Laboratory Sample No.

Lab Number Unique Number : 11098490

: WC0957754 : 06220293

Received : 25 Jun 2024 **Tested** Diagnosed

: 28 Jun 2024

: 28 Jun 2024 - Elizabeth Valachovic

SUMMERVILLE, SC US 29483 Contact: AJAY EL Ajay@prsfuel.com T: (843)225-1777

Test Package : DF-2 (Additional Tests: Fuel, Screen) Certificate 12367 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) 210 POWELL DR