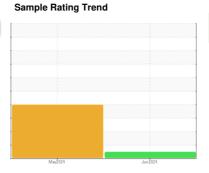


## **FUEL REPORT**

# **MUSC Columbia - Downtown [18596]** [MUSC Columbia - Downtown] KOHLER

**Diesel Fuel** 

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (300 GAL)





### 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.

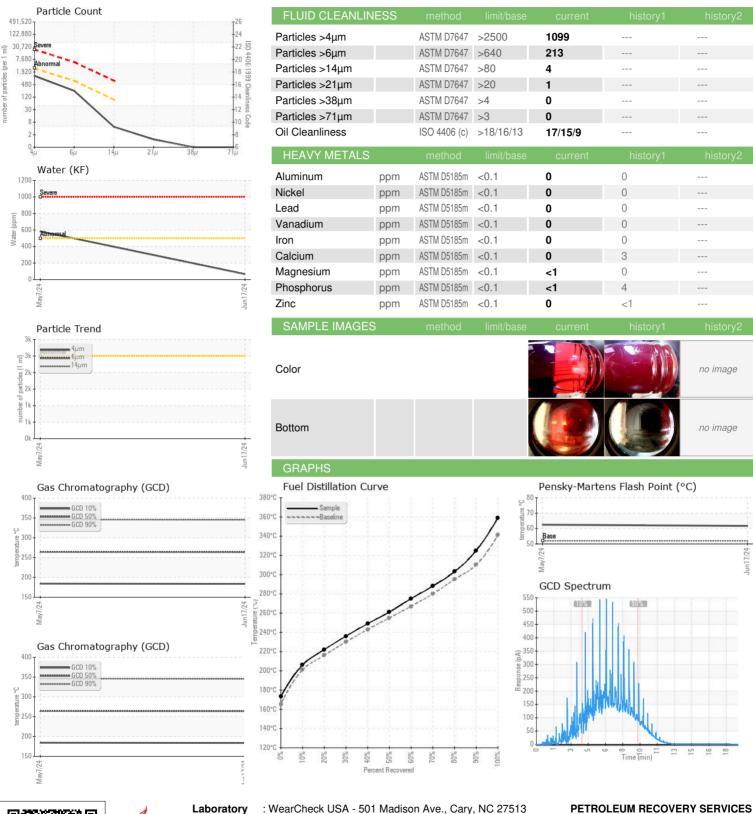
#### **Fuel Condition**

Sulfur value derived by ASTM D5453 method for ULSD validation.

) (300 GAL)			May2024	JunŽ024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06220598	WC06179669	
Sample Date		Client Info		17 Jun 2024	07 May 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	
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	61.7	62.5	
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0	54	
Sulfur (UVF)	ppm	ASTM D5453		37	50	
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	173	174	
5% Distillation Point	°C	ASTM D86		196	196	
10% Distill Point	°C	ASTM D86	201	206	206	
15% Distillation Point	°C	ASTM D86		214	214	
20% Distill Point	°C	ASTM D86	216	222	222	
30% Distill Point	°C	ASTM D86	230	236	236	
40% Distill Point	°C	ASTM D86	243	249	249	
50% Distill Point	°C	ASTM D86	255	261	262	
60% Distill Point	°C	ASTM D86	267	275	275	
70% Distill Point	°C	ASTM D86	280	288	289	
30% Distill Point	°C	ASTM D86	295	303	304	
35% Distillation Point	°C	ASTM D86		314	315	
90% Distill Point	°C	ASTM D86	310	325	326	
95% Distillation Point	°C	ASTM D86		343	344	
Final Boiling Point	°C	ASTM D86	341	359	360	
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37	37	
Cetane Index		ASTM D4737	<40.0	50	49	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1	0	
Sodium	ppm	ASTM D5185m	< 0.1	<1	<1	
Potassium	ppm	ASTM D5185m	<0.1	0	0	
Water	%	ASTM D6304	< 0.05	0.006	△ 0.058	
opm Water	ppm	ASTM D6304	<500	66	<u></u> 584	
% Gasoline	%	*In-House	< 0.50	0.0	0.0	
% Biodiesel	%	*In-House	<20.0	0.0	0.0	



## **FUEL REPORT**







Laboratory Sample No. Lab Number

: WC06220598 : 06220598 Unique Number : 11098795

Received : 25 Jun 2024 **Tested** Diagnosed

: 02 Jul 2024

: 02 Jul 2024 - Doug Bogart

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

Certificate 12367

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

Report Id: PETSUM [WUSCAR] 06220598 (Generated: 07/02/2024 23:58:31) Rev: 1

Contact/Location: AJAY EL - PETSUM