



# FUEL REPORT

Sample Rating Trend



ISO



Area

City of Camden - Offsites

Machine Id

[City of Camden - Offsites] A-134

Component

Diesel Fuel

Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (70 GAL)

## DIAGNOSIS

### Recommendation

We advise that you filter this fluid before use. All laboratory tests indicate that this sample meets specifications for No.2 low-sulfur diesel fuel. Please note that this is a corrected copy for diagnostic comment updates.

### Corrosion

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

### Contaminants

There is a high amount of particulates present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample.

### Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC06179663	---	---
Sample Date	Client Info	07 May 2024	---	---
Machine Age	hrs Client Info	0	---	---
Sample Status		ABNORMAL	---	---

## PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
Fuel Color	text *Visual Screen	Yellow	Red	---
ASTM Color	scalar *ASTM D1500		L4.0	---
Visc @ 40°C	cSt ASTM D445	3.0	2.4	---
Pensky-Martens Flash Point	°C *PMCC Calculated	52	60.1	---

## SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm ASTM D5185m	10	115	---
Sulfur (UVF)	ppm ASTM D5453		92	---

## DISTILLATION

method	limit/base	current	history1	history2
Initial Boiling Point	°C ASTM D86	165	171	---
5% Distillation Point	°C ASTM D86		193	---
10% Distill Point	°C ASTM D86	201	202	---
15% Distillation Point	°C ASTM D86		210	---
20% Distill Point	°C ASTM D86	216	218	---
30% Distill Point	°C ASTM D86	230	232	---
40% Distill Point	°C ASTM D86	243	246	---
50% Distill Point	°C ASTM D86	255	259	---
60% Distill Point	°C ASTM D86	267	273	---
70% Distill Point	°C ASTM D86	280	287	---
80% Distill Point	°C ASTM D86	295	302	---
85% Distillation Point	°C ASTM D86		313	---
90% Distill Point	°C ASTM D86	310	324	---
95% Distillation Point	°C ASTM D86		343	---
Final Boiling Point	°C ASTM D86	341	360	---

## IGNITION QUALITY

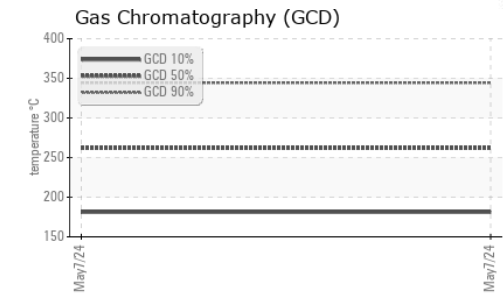
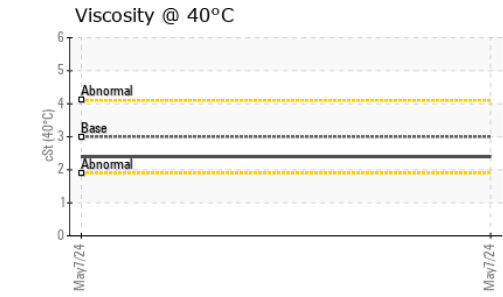
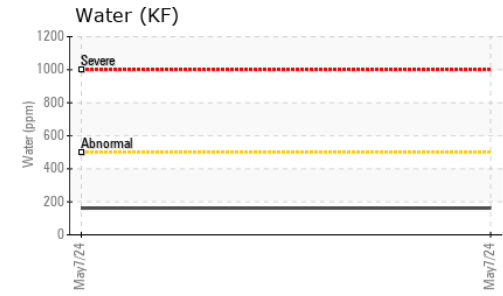
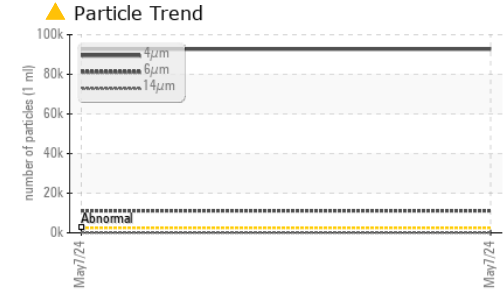
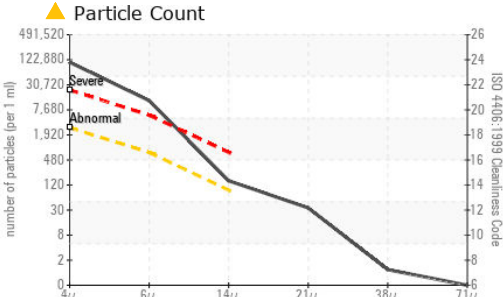
method	limit/base	current	history1	history2
API Gravity	ASTM D7777	37.7	36	---
Cetane Index	ASTM D4737	<40.0	47	---

## 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	0.016	---
ppm Water	ppm ASTM D6304	<500	162	---
% Gasoline	% *In-House	<0.50	0.0	---
% Biodiesel	% *In-House	<20.0	0.0	---



# FUEL REPORT

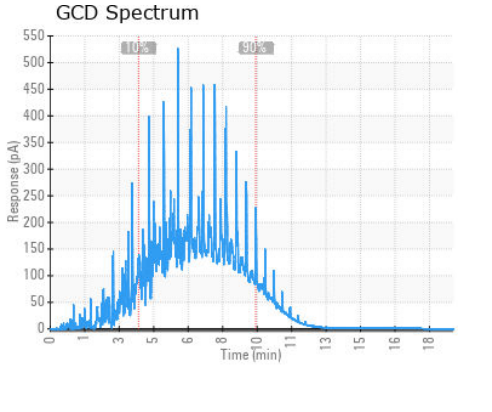
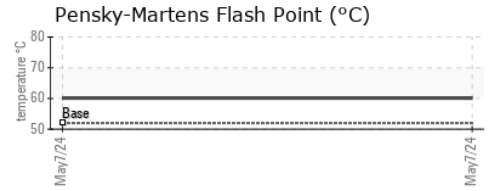
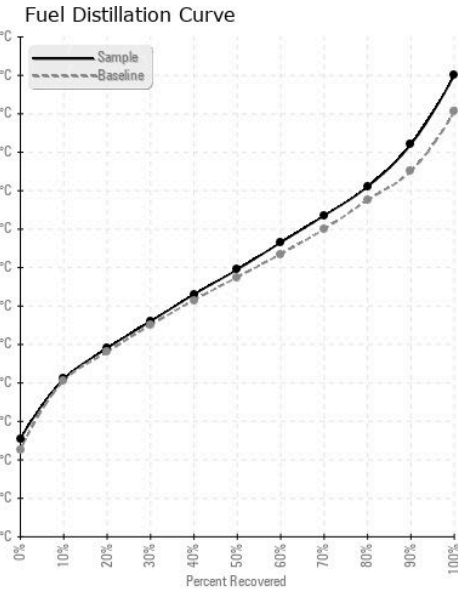


FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	▲ 92712	---	---
Particles >6µm	ASTM D7647	>640	▲ 11126	---	---
Particles >14µm	ASTM D7647	>80	● 134	---	---
Particles >21µm	ASTM D7647	>20	● 30	---	---
Particles >38µm	ASTM D7647	>4	● 1	---	---
Particles >71µm	ASTM D7647	>3	● 0	---	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	▲ 24/21/14	---	---

HEAVY METALS	method	limit/base	current	history1	history2
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	● 3	---	---
Calcium	ppm	ASTM D5185m <0.1	● <1	---	---
Magnesium	ppm	ASTM D5185m <0.1	● 0	---	---
Phosphorus	ppm	ASTM D5185m <0.1	● <1	---	---
Zinc	ppm	ASTM D5185m <0.1	● 0	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC06179663      **Received** : 14 May 2024  
**Lab Number** : 06179663      **Tested** : 20 May 2024  
**Unique Number** : 11030989      **Diagnosed** : 20 May 2024 - Doug Bogart  
**Test Package** : DF-2 ( Additional Tests: Fuel, Screen )

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

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)