



# FUEL REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**HCA FLORIDA LAWNWOOD HOSPITAL 8000**  
 Component  
**Diesel Fuel**  
 Fluid  
**DDSL (8000 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

There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible. There is no indication of any contamination in the fuel.

### Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WCDF4593</b>	---	---
Sample Date	Client Info		<b>17 Apr 2024</b>	---	---
Machine Age	mls	Client Info	<b>0</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## PHYSICAL PROPERTIES

	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	<b>Red</b>	---	---
ASTM Color	scalar	*ASTM D1500	<b>L5.5</b>	---	---
Visc @ 40°C	cSt	ASTM D445	<b>2.49</b>	---	---
Pensky-Martens Flash Point	°C	*PMCC Calculated	<b>61</b>	---	---
Cloud Point	°C	ASTM D5771	<b>-11</b>	---	---

## SULFUR CONTENT

	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	<b>0</b>	---	---
Sulfur (UVF)	ppm	ASTM D5453	<b>18</b>	---	---

## DISTILLATION

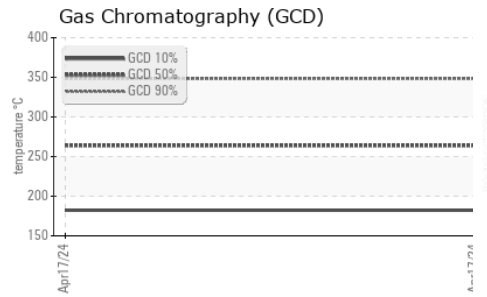
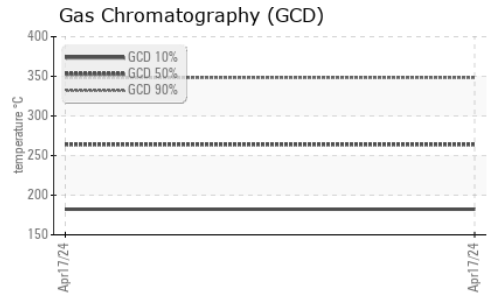
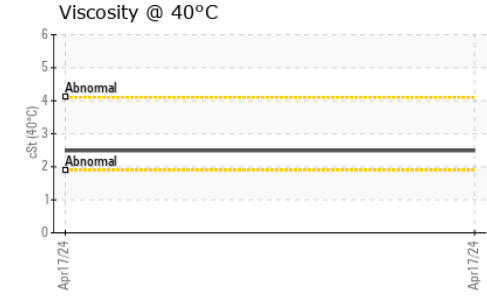
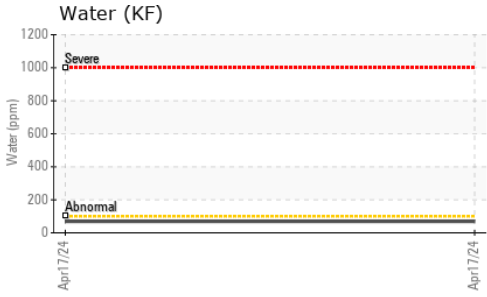
	method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	<b>172</b>	---	---
5% Distillation Point	°C	ASTM D86	<b>194</b>	---	---
10% Distill Point	°C	ASTM D86	<b>204</b>	---	---
15% Distillation Point	°C	ASTM D86	<b>212</b>	---	---
20% Distill Point	°C	ASTM D86	<b>219</b>	---	---
30% Distill Point	°C	ASTM D86	<b>234</b>	---	---
40% Distill Point	°C	ASTM D86	<b>248</b>	---	---
50% Distill Point	°C	ASTM D86	<b>261</b>	---	---
60% Distill Point	°C	ASTM D86	<b>276</b>	---	---
70% Distill Point	°C	ASTM D86	<b>290</b>	---	---
80% Distill Point	°C	ASTM D86	<b>306</b>	---	---
85% Distillation Point	°C	ASTM D86	<b>316</b>	---	---
90% Distill Point	°C	ASTM D86	<b>327</b>	---	---
95% Distillation Point	°C	ASTM D86	<b>344</b>	---	---
Final Boiling Point	°C	ASTM D86	<b>359</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<b>0</b>	---
Sodium	ppm	ASTM D5185m	<0.1	<b>0</b>	---
Potassium	ppm	ASTM D5185m	<0.1	<b>0</b>	---
Water	%	ASTM D6304	<0.05	<b>0.006</b>	---
ppm Water	ppm	ASTM D6304	<500	<b>69</b>	---
% Gasoline	%	*In-House	<0.50	<b>0.0</b>	---
% Biodiesel	%	*In-House	<20.0	<b>0.0</b>	---



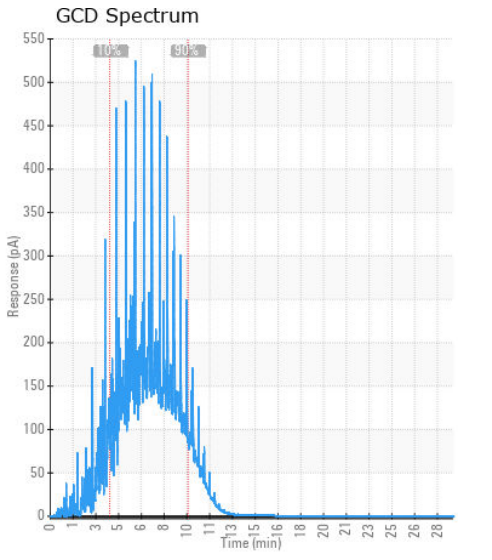
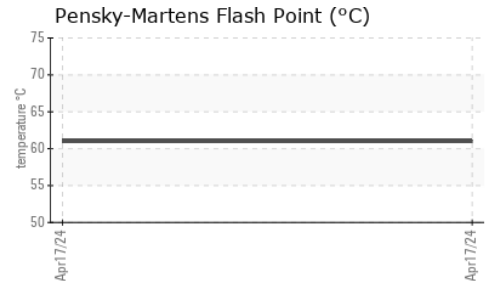
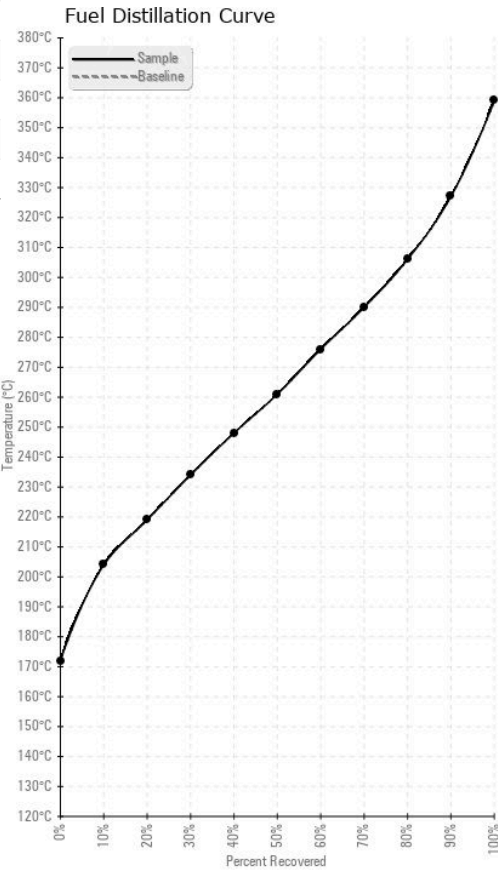
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HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	---	---
Nickel	ppm	ASTM D5185m	<0.1	0	---	---
Lead	ppm	ASTM D5185m	<0.1	0	---	---
Vanadium	ppm	ASTM D5185m	<0.1	0	---	---
Iron	ppm	ASTM D5185m	<0.1	0	---	---
Calcium	ppm	ASTM D5185m	<0.1	0	---	---
Magnesium	ppm	ASTM D5185m	<0.1	0	---	---
Phosphorus	ppm	ASTM D5185m	<0.1	0	---	---
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.** : WCDF4593 **Received** : 24 Apr 2024  
**Lab Number** : 06159561 **Tested** : 06 May 2024  
**Unique Number** : 10994984 **Diagnosed** : 06 May 2024 - Doug Bogart  
**Test Package** : DF-2 ( Additional Tests: CldPt, Fuel, PrtCount, Screen )

**TANK WIZARDS**  
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 US 32907  
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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)