



FUEL REPORT

Sample Rating Trend



NORMAL



Machine Id

HCA FLORIDA LAWNWOOD HOSPITAL 8K DAY

Component

Tank Diesel Fuel

Fluid

DDSL (200 GAL)

DIAGNOSIS

Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 ultra-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. Sulfur level is acceptable for ULSD specification.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WCDF4594	---	---
Sample Date	Client Info			11 Apr 2024	---	---
Machine Age	mls	Client Info		0	---	---
Sample Status				NORMAL	---	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen		Red	---	---
ASTM Color	scalar	*ASTM D1500		L5.5	---	---
Visc @ 40°C	cSt	ASTM D445		2.48	---	---
Pensky-Martens Flash Point	°C	*PMCC Calculated		69.4	---	---
Cloud Point	°C	ASTM D5771		-12	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0	---	---
Sulfur (UVF)	ppm	ASTM D5453		9	---	---

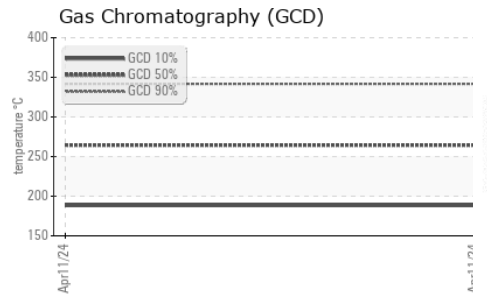
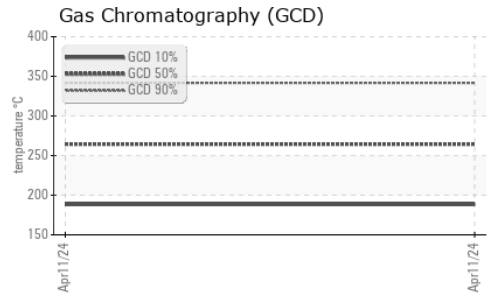
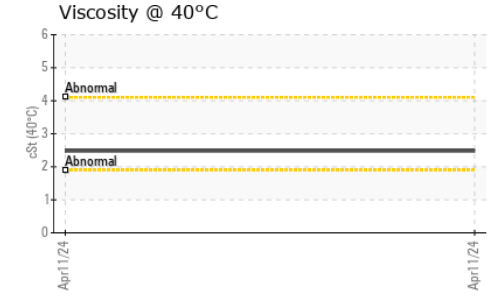
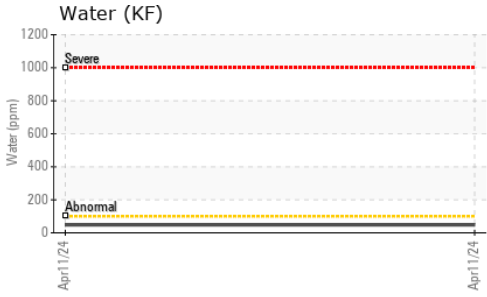
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		181	---	---
5% Distillation Point	°C	ASTM D86		201	---	---
10% Distill Point	°C	ASTM D86		209	---	---
15% Distillation Point	°C	ASTM D86		216	---	---
20% Distill Point	°C	ASTM D86		223	---	---
30% Distill Point	°C	ASTM D86		236	---	---
40% Distill Point	°C	ASTM D86		249	---	---
50% Distill Point	°C	ASTM D86		261	---	---
60% Distill Point	°C	ASTM D86		274	---	---
70% Distill Point	°C	ASTM D86		287	---	---
80% Distill Point	°C	ASTM D86		301	---	---
85% Distillation Point	°C	ASTM D86		311	---	---
90% Distill Point	°C	ASTM D86		321	---	---
95% Distillation Point	°C	ASTM D86		338	---	---
Final Boiling Point	°C	ASTM D86		353	---	---

IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D7777		37	---	---
Cetane Index		ASTM D4737	<40.0	50	---	---


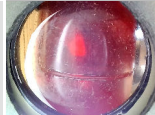
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	---	---
Sodium	ppm	ASTM D5185m	<0.1	0	---	---
Potassium	ppm	ASTM D5185m	<0.1	0	---	---
Water	%	ASTM D6304	<0.05	0.004	---	---
ppm Water	ppm	ASTM D6304	<500	48	---	---
% Gasoline	%	*In-House	<0.50	0.0	---	---
% Biodiesel	%	*In-House	<20.0	0.0	---	---



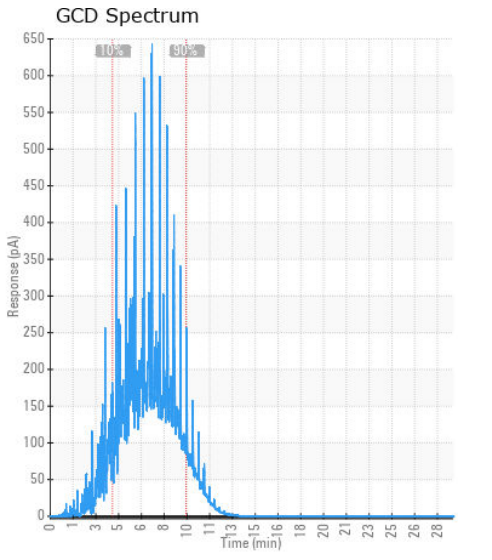
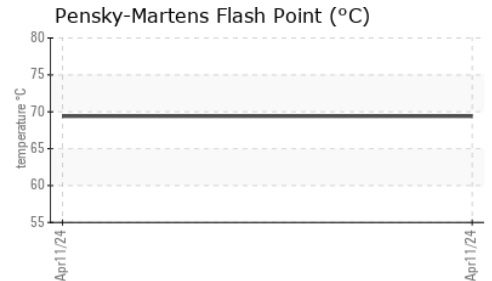
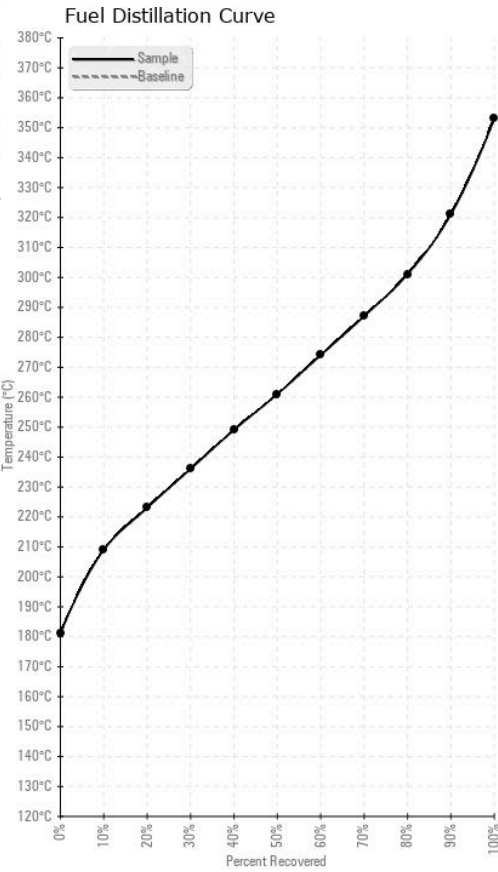
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HEAVY METALS	method	limit/base	current	history1	history2	
Aluminum	ppm	ASTM D5185m	<0.1	0	---	---
Nickel	ppm	ASTM D5185m	<0.1	0	---	---
Lead	ppm	ASTM D5185m	<0.1	0	---	---
Vanadium	ppm	ASTM D5185m	<0.1	0	---	---
Iron	ppm	ASTM D5185m	<0.1	0	---	---
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. : WCDF4594 **Received** : 24 Apr 2024
Lab Number : 06159563 **Tested** : 06 May 2024
Unique Number : 10994986 **Diagnosed** : 06 May 2024 - Doug Bogart
Test Package : DF-2 (Additional Tests: CldPt, Fuel, PrtCount, Screen)

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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)