



FUEL REPORT

Sample Rating Trend



SEDIMENT



Machine Id
HCA FLORIDA LAWNWOOD HOSPITAL ER GEN
 Component
Bulk Tank Diesel Fuel
 Fluid
DDSL (2525 GAL)

DIAGNOSIS

▲ Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

Corrosion

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

▲ Contaminants

Moderate concentration of visible dirt/debris present in the fuel. There is a moderate amount of visible silt present in the sample. The water content is negligible.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WCDF4598	---	---
Sample Date	Client Info			17 Apr 2024	---	---
Machine Age	mls	Client Info		0	---	---
Sample Status				ABNORMAL	---	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen		Red	---	---
ASTM Color	scalar	*ASTM D1500		L6.0	---	---
Visc @ 40°C	cSt	ASTM D445		2.54	---	---
Pensky-Martens Flash Point	°C	*PMCC Calculated		65.7	---	---
Cloud Point	°C	ASTM D5771		-11	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		100	---	---
Sulfur (UVF)	ppm	ASTM D5453		201	---	---

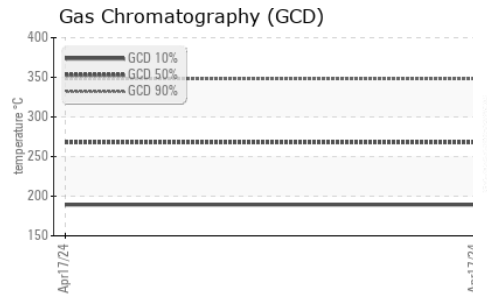
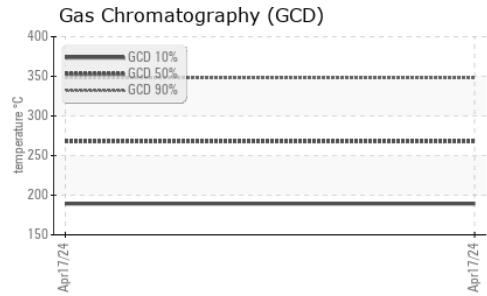
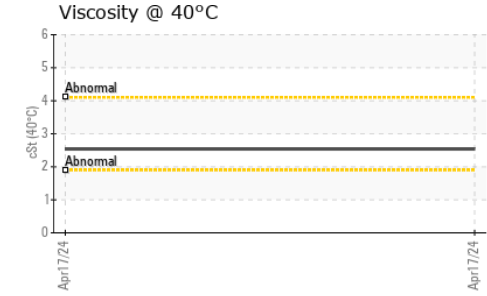
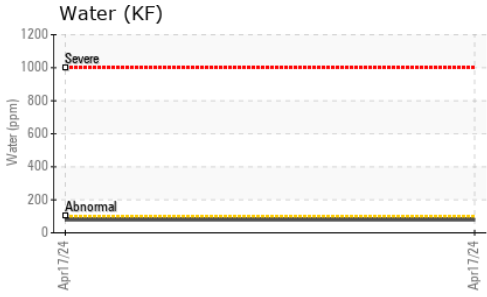
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		177	---	---
5% Distillation Point	°C	ASTM D86		201	---	---
10% Distill Point	°C	ASTM D86		211	---	---
15% Distillation Point	°C	ASTM D86		218	---	---
20% Distill Point	°C	ASTM D86		226	---	---
30% Distill Point	°C	ASTM D86		240	---	---
40% Distill Point	°C	ASTM D86		252	---	---
50% Distill Point	°C	ASTM D86		265	---	---
60% Distill Point	°C	ASTM D86		278	---	---
70% Distill Point	°C	ASTM D86		291	---	---
80% Distill Point	°C	ASTM D86		306	---	---
85% Distillation Point	°C	ASTM D86		316	---	---
90% Distill Point	°C	ASTM D86		326	---	---
95% Distillation Point	°C	ASTM D86		342	---	---
Final Boiling Point	°C	ASTM D86		355	---	---

IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D7777		36	---	---
Cetane Index		ASTM D4737	<40.0	49	---	---

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	0.007	---	---
ppm Water	ppm	ASTM D6304	<500	79	---	---
% Gasoline	%	*In-House	<0.50	0.0	---	---
% Biodiesel	%	*In-House	<20.0	0.0	---	---



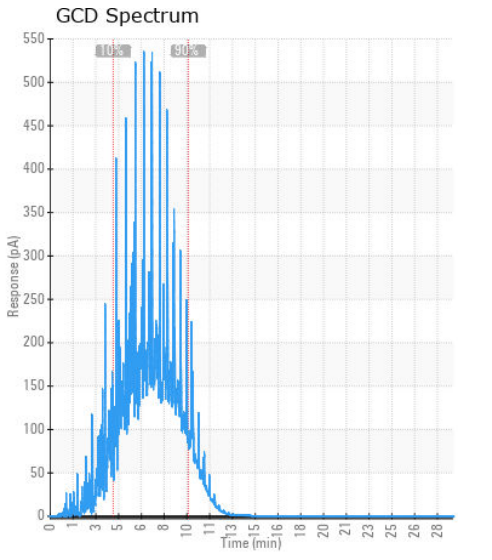
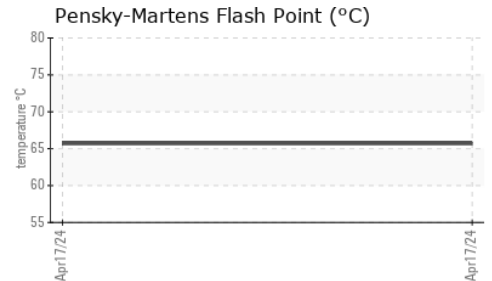
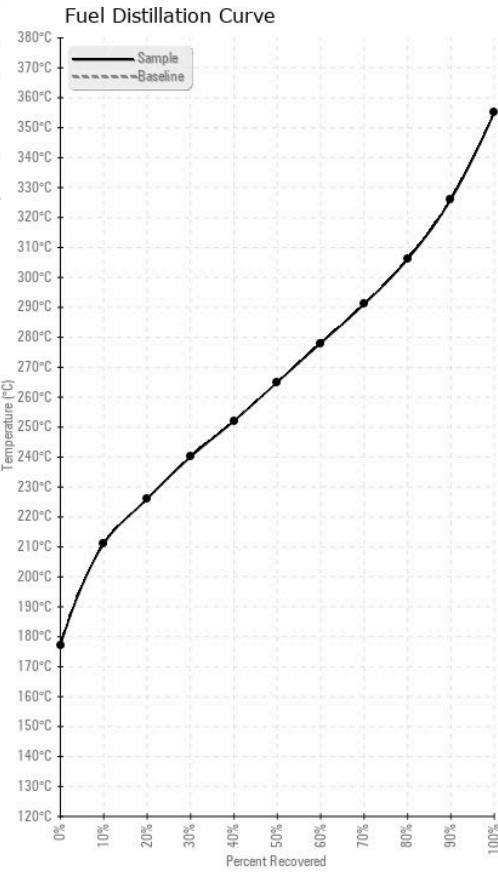
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HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	---	---
Nickel	ppm	ASTM D5185m	<0.1	0	---	---
Lead	ppm	ASTM D5185m	<0.1	0	---	---
Vanadium	ppm	ASTM D5185m	<0.1	0	---	---
Iron	ppm	ASTM D5185m	<0.1	0	---	---
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. : WCDF4598 **Received** : 24 Apr 2024
Lab Number : 06159565 **Tested** : 06 May 2024
Unique Number : 10994988 **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)