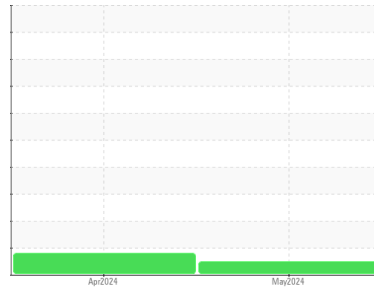




FUEL REPORT

Sample Rating Trend



NORMAL



Machine Id
HCA FLORIDA LAWNWOOD HOSPITAL FIRE PUMP CAT SCAN
 Component
Bulk Tank Diesel Fuel
 Fluid
DDSL (1200 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	WCDF4617	WCDF4599	---
Sample Date	Client Info	24 May 2024	17 Apr 2024	---
Machine Age	mls	0	0	---
Sample Status		NORMAL	ABNORMAL	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2	
Fuel Color	text	*Visual Screen	Red	Red	---
ASTM Color	scalar	*ASTM D1500	L5.5	L5.5	---
Visc @ 40°C	cSt	ASTM D445	2.49	2.7	---
Pensky-Martens Flash Point	°C	*PMCC Calculated	62.1	66.8	---
Cloud Point	°C	ASTM D5771	-11	-11	---

SULFUR CONTENT

method	limit/base	current	history1	history2	
Sulfur	ppm	ASTM D5185m	365	279	---
Sulfur (UVF)	ppm	ASTM D5453	354	314	---

DISTILLATION

method	limit/base	current	history1	history2	
Initial Boiling Point	°C	ASTM D86	173	178	---
5% Distillation Point	°C	ASTM D86	196	200	---
10% Distill Point	°C	ASTM D86	206	210	---
15% Distillation Point	°C	ASTM D86	214	217	---
20% Distill Point	°C	ASTM D86	221	225	---
30% Distill Point	°C	ASTM D86	236	240	---
40% Distill Point	°C	ASTM D86	249	253	---
50% Distill Point	°C	ASTM D86	262	266	---
60% Distill Point	°C	ASTM D86	276	279	---
70% Distill Point	°C	ASTM D86	290	292	---
80% Distill Point	°C	ASTM D86	305	307	---
85% Distillation Point	°C	ASTM D86	316	318	---
90% Distill Point	°C	ASTM D86	326	328	---
95% Distillation Point	°C	ASTM D86	343	345	---
Final Boiling Point	°C	ASTM D86	358	367	---

IGNITION QUALITY

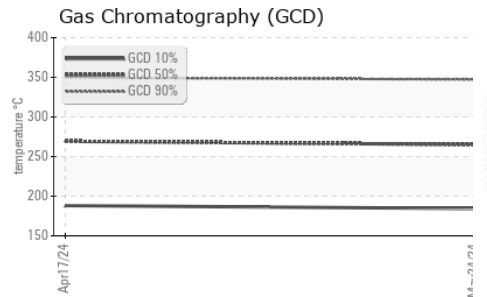
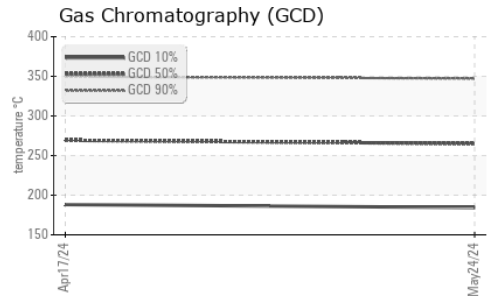
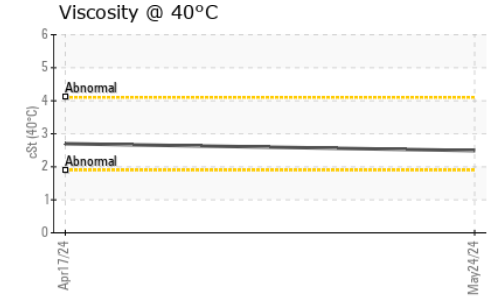
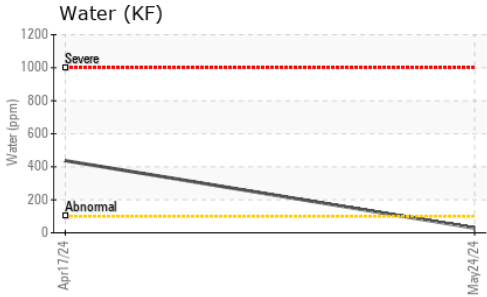
method	limit/base	current	history1	history2	
API Gravity		ASTM D7777	36	35	---
Cetane Index		ASTM D4737	47	47	---

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	0.003	▲ 0.043	---
ppm Water	ppm	ASTM D6304	<500	437	---
% Gasoline	%	*In-House	<0.50	0.0	---
% Biodiesel	%	*In-House	<20.0	0.0	---



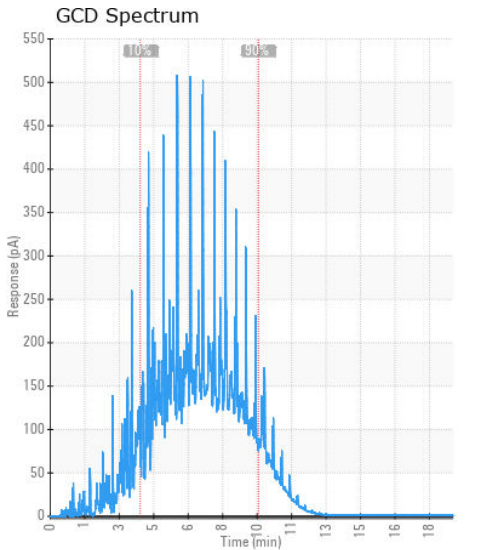
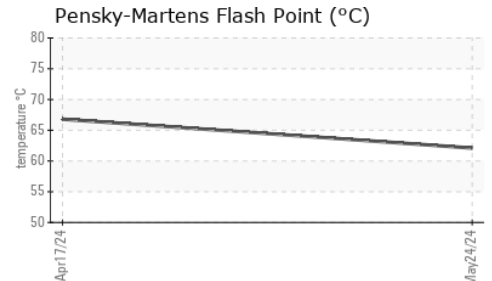
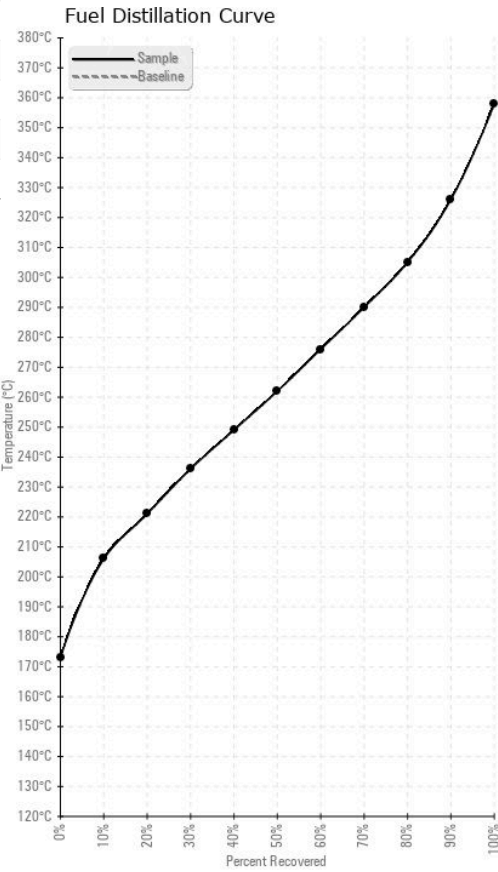
FUEL REPORT



HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	0	---
Nickel	ppm	ASTM D5185m	<0.1	0	0	---
Lead	ppm	ASTM D5185m	<0.1	0	0	---
Vanadium	ppm	ASTM D5185m	<0.1	0	0	---
Iron	ppm	ASTM D5185m	<0.1	0	0	---
Calcium	ppm	ASTM D5185m	<0.1	0	0	---
Magnesium	ppm	ASTM D5185m	<0.1	0	0	---
Phosphorus	ppm	ASTM D5185m	<0.1	0	0	---
Zinc	ppm	ASTM D5185m	<0.1	0	0	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WCDF4617 **Received** : 31 May 2024
Lab Number : 06197196 **Tested** : 11 Jun 2024
Unique Number : 11059319 **Diagnosed** : 11 Jun 2024 - Doug Bogart
Test Package : DF-2 (Additional Tests: CldPt, Fuel, PrtCount, Screen)

TANK WIZARDS
 1511 MASTERS RD NW
 PALM BAY, FL
 US 32907
 Contact: WENDALL STRODERD
 wendall@tankwizards.com
 T: (321)427-5149
 F: (321)574-4131

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)