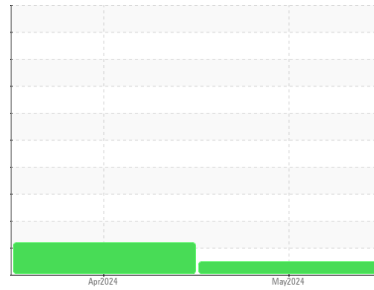




FUEL REPORT

Sample Rating Trend



NORMAL



Machine Id
HCA FLORIDA LAWNWOOD HOSPITAL ER GEN
 Component
Bulk Tank Diesel Fuel
 Fluid
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (2525 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

The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. 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		WCDF4618	WCDF4598	---
Sample Date	Client Info		30 May 2024	17 Apr 2024	---
Machine Age	mls	Client Info	0	0	---
Sample Status			NORMAL	ABNORMAL	---

PHYSICAL PROPERTIES

	method	limit/base	current	history1	history2	
Fuel Color	text	*Visual Screen	Yellow	Red	Red	---
ASTM Color	scalar	*ASTM D1500		L4.5	L6.0	---
Visc @ 40°C	cSt	ASTM D445	3.0	2.46	2.54	---
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	63.1	65.7	---
Cloud Point	°C	ASTM D5771		-11	-11	---

SULFUR CONTENT

	method	limit/base	current	history1	history2	
Sulfur	ppm	ASTM D5185m	10	218	100	---
Sulfur (UVF)	ppm	ASTM D5453		172	201	---

DISTILLATION

	method	limit/base	current	history1	history2	
Initial Boiling Point	°C	ASTM D86	165	175	177	---
5% Distillation Point	°C	ASTM D86		199	201	---
10% Distill Point	°C	ASTM D86	201	208	211	---
15% Distillation Point	°C	ASTM D86		216	218	---
20% Distill Point	°C	ASTM D86	216	223	226	---
30% Distill Point	°C	ASTM D86	230	237	240	---
40% Distill Point	°C	ASTM D86	243	250	252	---
50% Distill Point	°C	ASTM D86	255	263	265	---
60% Distill Point	°C	ASTM D86	267	277	278	---
70% Distill Point	°C	ASTM D86	280	291	291	---
80% Distill Point	°C	ASTM D86	295	306	306	---
85% Distillation Point	°C	ASTM D86		317	316	---
90% Distill Point	°C	ASTM D86	310	327	326	---
95% Distillation Point	°C	ASTM D86		344	342	---
Final Boiling Point	°C	ASTM D86	341	359	355	---

IGNITION QUALITY

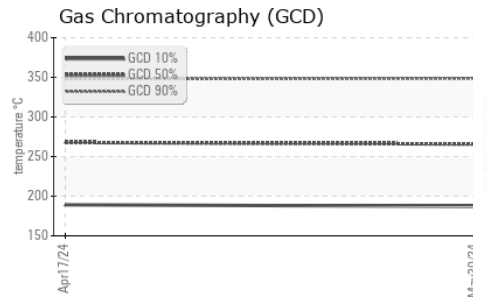
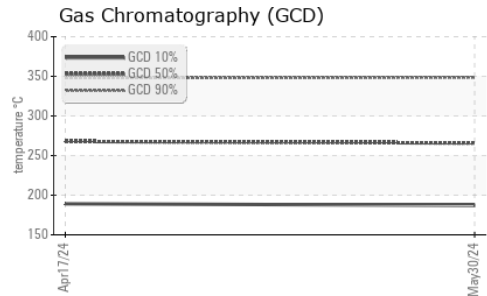
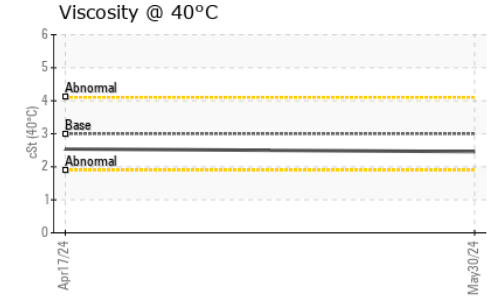
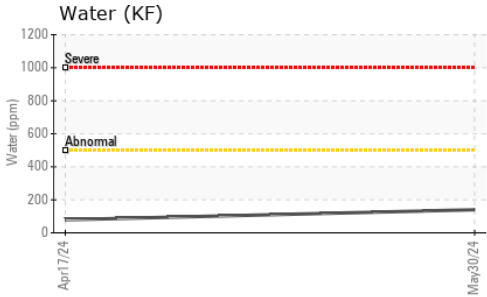
	method	limit/base	current	history1	history2
API Gravity	ASTM D7777	37.7	36	36	---
Cetane Index	ASTM D4737	<40.0	48	49	---

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	<1.0	<1	0	---
Sodium	ppm	ASTM D5185m	<0.1	<1	0	---
Potassium	ppm	ASTM D5185m	<0.1	1	0	---
Water	%	ASTM D6304	<0.05	0.014	0.007	---
ppm Water	ppm	ASTM D6304	<500	140	79	---
% Gasoline	%	*In-House	<0.50	0.0	0.0	---
% Biodiesel	%	*In-House	<20.0	0.0	0.0	---

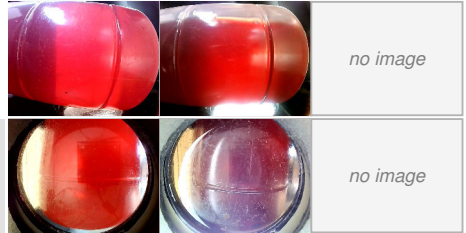


FUEL REPORT

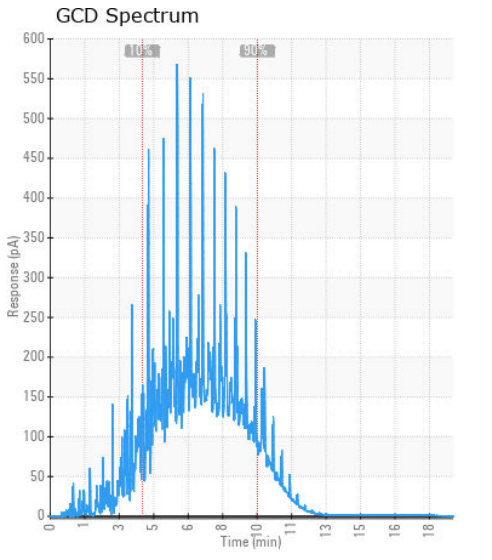
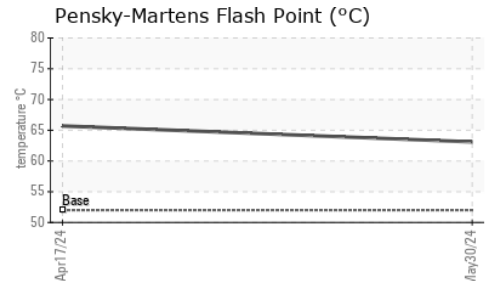
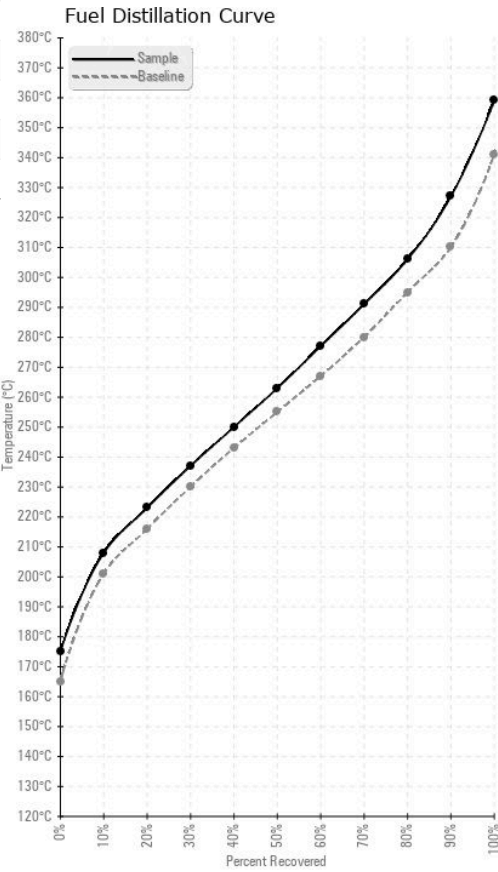


HEAVY METALS	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	---
Nickel	ppm	ASTM D5185m	<0.1	0	---
Lead	ppm	ASTM D5185m	<1	0	---
Vanadium	ppm	ASTM D5185m	<0.1	0	---
Iron	ppm	ASTM D5185m	<0.1	0	---
Calcium	ppm	ASTM D5185m	<1	0	---
Magnesium	ppm	ASTM D5185m	<1	0	---
Phosphorus	ppm	ASTM D5185m	1	0	---
Zinc	ppm	ASTM D5185m	<1	0	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WCDF4618
Lab Number : 06198648
Unique Number : 11060771
Test Package : DF-5 (Additional Tests: API, CC Flash, Cetane, CldPt, Fuel, GCD, PrtCount, SAMPLECORRECTED)

TANK WIZARDS
 1511 MASTERS RD NW
 PALM BAY, FL
 US 32907
 WENDALL STRODERD
 wendall@tankwizards.com

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)