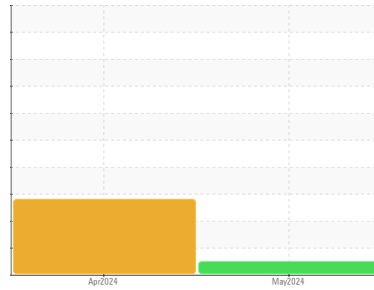




FUEL REPORT

Sample Rating Trend



NORMAL



Machine Id
HCA FLORIDA LAWNWOOD HOSPITAL PAVILION 1780
 Component
Diesel Fuel
 Fluid
DDSL (1780 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			WCDF4615	WCDF4603	---
Sample Date	Client Info			24 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		Red	Red	---
ASTM Color	scalar	*ASTM D1500		L4.5	L5.5	---
Visc @ 40°C	cSt	ASTM D445		2.46	2.49	---
Pensky-Martens Flash Point	°C	*PMCC Calculated		61.3	60.9	---
Cloud Point	°C	ASTM D5771		-11	-12	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0	0	---
Sulfur (UVF)	ppm	ASTM D5453		9	12	---

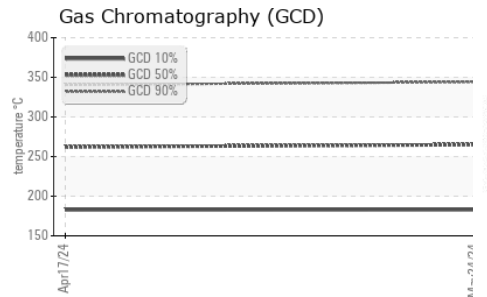
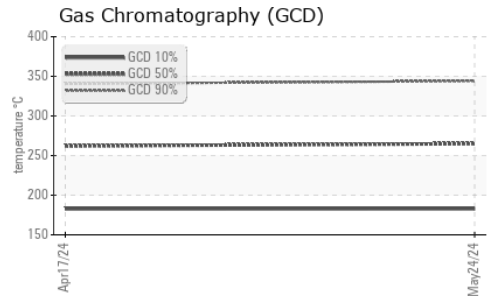
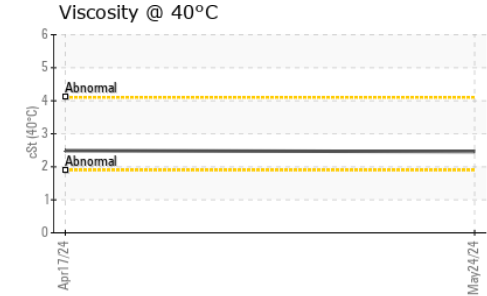
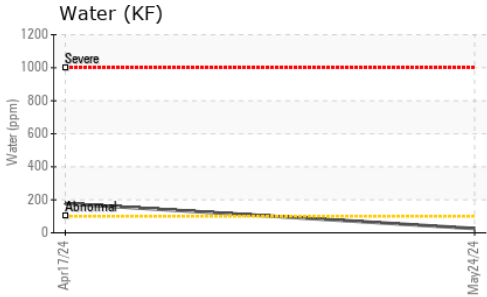
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		172	172	---
5% Distillation Point	°C	ASTM D86		195	195	---
10% Distill Point	°C	ASTM D86		205	204	---
15% Distillation Point	°C	ASTM D86		214	212	---
20% Distill Point	°C	ASTM D86		222	219	---
30% Distill Point	°C	ASTM D86		236	233	---
40% Distill Point	°C	ASTM D86		249	246	---
50% Distill Point	°C	ASTM D86		262	259	---
60% Distill Point	°C	ASTM D86		275	272	---
70% Distill Point	°C	ASTM D86		289	285	---
80% Distill Point	°C	ASTM D86		303	300	---
85% Distillation Point	°C	ASTM D86		313	310	---
90% Distill Point	°C	ASTM D86		323	320	---
95% Distillation Point	°C	ASTM D86		341	338	---
Final Boiling Point	°C	ASTM D86		355	352	---

IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D7777		---	37	---
Cetane Index		ASTM D4737	<40.0	---	49	---




CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	0	---
Sodium	ppm	ASTM D5185m	<0.1	<1	0	---
Potassium	ppm	ASTM D5185m	<0.1	<1	0	---
Water	%	ASTM D6304	<0.05	0.003	0.017	---
ppm Water	ppm	ASTM D6304	<500	26	177	---
% Gasoline	%	*In-House	<0.50	0.0	0.0	---
% Biodiesel	%	*In-House	<20.0	0.0	0.0	---



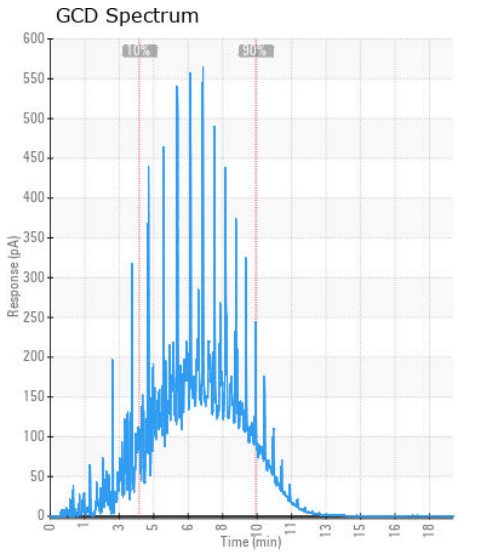
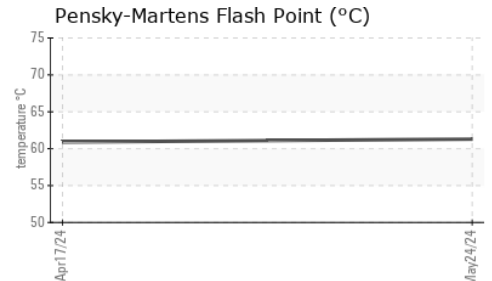
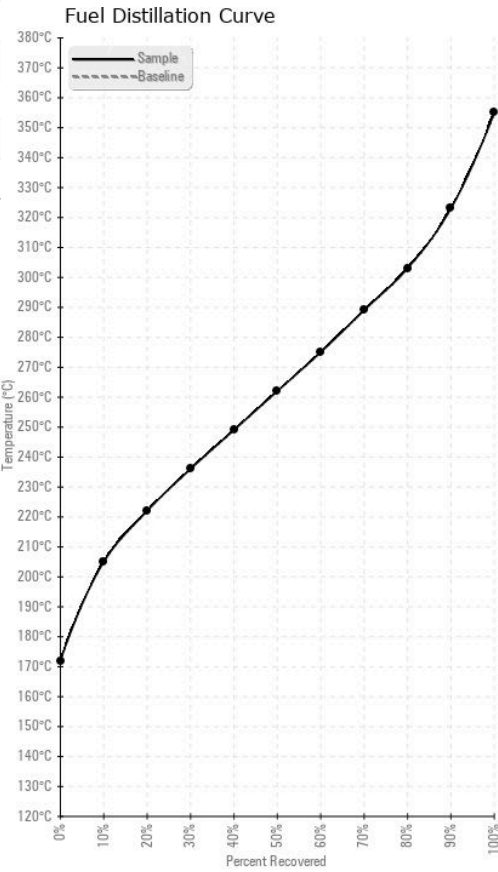
FUEL REPORT



HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	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. : WCDF4615 **Received** : 31 May 2024
Lab Number : 06197195 **Tested** : 11 Jun 2024
Unique Number : 11059318 **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)