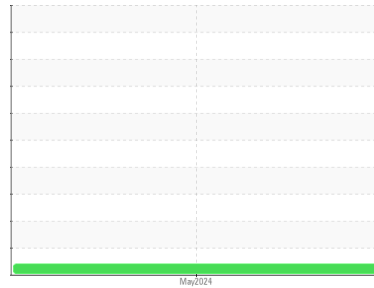




FUEL REPORT

Sample Rating Trend



VIS DEBRIS



Area
OWENSBORO HEALTH MAIN HOSPITAL [17621]
 Machine ID
[OWENSBORO HEALTH MAIN HOSPITAL] DT1
 Component
Diesel Fuel
 Fluid
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (100 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel. We were unable to perform a particle count due to a high concentration of particles present in this sample.

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 no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible.

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			WC06206063	---	---
Sample Date	Client Info			30 May 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Sample Status				ABNORMAL	---	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yellow	Red	---	---
ASTM Color	scalar	*ASTM D1500		L4.5	---	---
Visc @ 40°C	cSt	ASTM D445	3.0	2.4	---	---
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	61.4	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0	---	---
Sulfur (UVF)	ppm	ASTM D5453		11	---	---

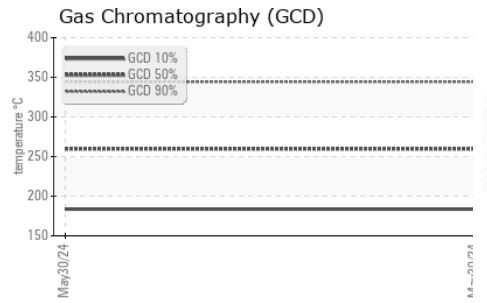
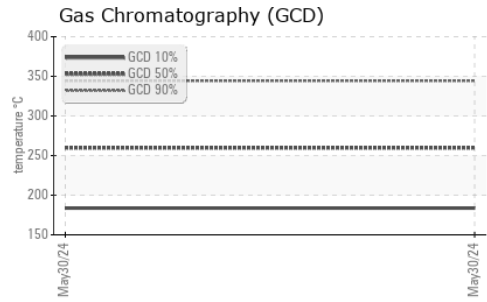
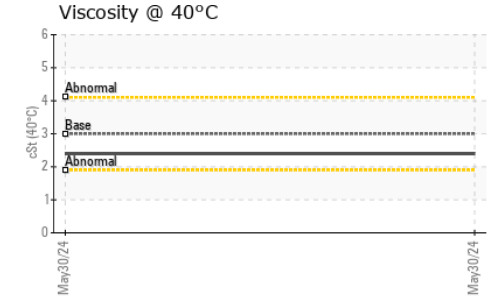
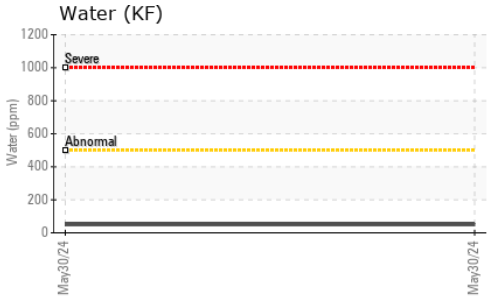
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	173	---	---
5% Distillation Point	°C	ASTM D86		196	---	---
10% Distill Point	°C	ASTM D86	201	204	---	---
15% Distillation Point	°C	ASTM D86		211	---	---
20% Distill Point	°C	ASTM D86	216	217	---	---
30% Distill Point	°C	ASTM D86	230	231	---	---
40% Distill Point	°C	ASTM D86	243	244	---	---
50% Distill Point	°C	ASTM D86	255	258	---	---
60% Distill Point	°C	ASTM D86	267	272	---	---
70% Distill Point	°C	ASTM D86	280	287	---	---
80% Distill Point	°C	ASTM D86	295	303	---	---
85% Distillation Point	°C	ASTM D86		313	---	---
90% Distill Point	°C	ASTM D86	310	323	---	---
95% Distillation Point	°C	ASTM D86		341	---	---
Final Boiling Point	°C	ASTM D86	341	354	---	---

IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37	---	---
Cetane Index		ASTM D4737	<40.0	50	---	---


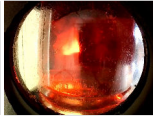
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	---	---
Sodium	ppm	ASTM D5185m	<0.1	2	---	---
Potassium	ppm	ASTM D5185m	<0.1	2	---	---
Water	%	ASTM D6304	<0.05	0.005	---	---
ppm Water	ppm	ASTM D6304	<500	50	---	---
% Gasoline	%	*In-House	<0.50	0.0	---	---
% Biodiesel	%	*In-House	<20.0	0.0	---	---



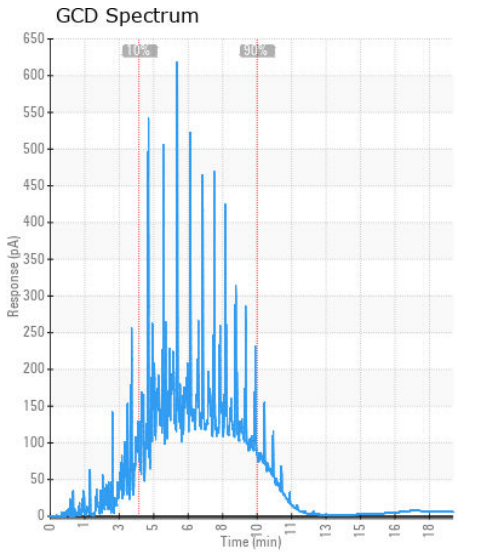
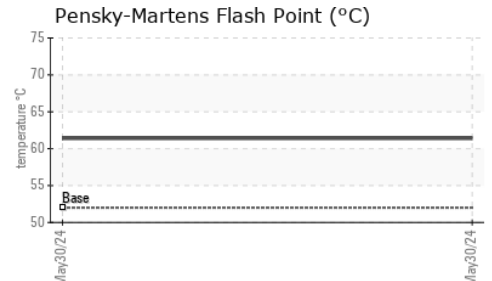
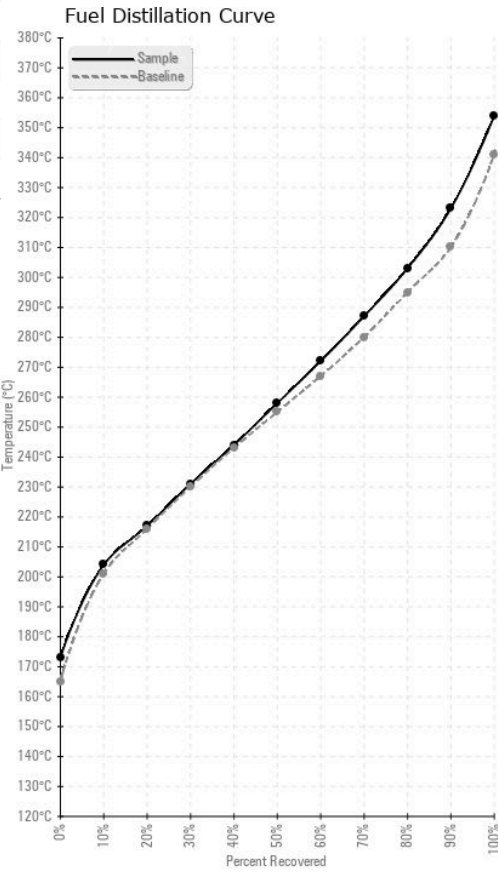
FUEL REPORT



HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	---	---
Nickel	ppm	ASTM D5185m	<0.1	<1	---	---
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	1	---	---
Magnesium	ppm	ASTM D5185m	<0.1	2	---	---
Phosphorus	ppm	ASTM D5185m	<0.1	<1	---	---
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. : WC06206063 **Received** : 10 Jun 2024
Lab Number : 06206063 **Tested** : 19 Jun 2024
Unique Number : 11073524 **Diagnosed** : 19 Jun 2024 - Doug Bogart
Test Package : DF-2 (Additional Tests: Fuel, Screen)

PETROLEUM RECOVERY SERVICES
 210 POWELL DR
 SUMMERVILLE, SC
 US 29483
 Contact: AJAY EL
 Ajay@prsfuel.com
 T: (843)225-1777
 F:

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)