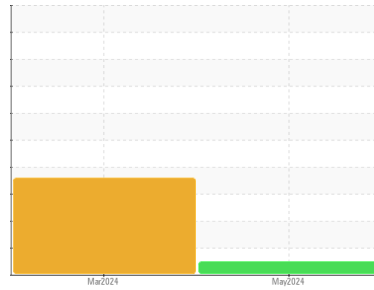




FUEL REPORT

Sample Rating Trend



NORMAL

Area

Procacci Development-Miami [17674]

Machine Id

[Procacci Development-Miami] ACES

Component

Diesel Fuel

Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (2000 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. The amount and size of particulates present in the system are acceptable.

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		WC0953954	WC06139456	---
Sample Date	Client Info		30 May 2024	28 Mar 2024	---
Machine Age	hrs	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	L4.0	---
Visc @ 40°C	cSt	ASTM D445	3.0	2.45	2.44	---
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	59.5	60.1	---

SULFUR CONTENT

	method	limit/base	current	history1	history2	
Sulfur	ppm	ASTM D5185m	10	0	7	---
Sulfur (UVF)	ppm	ASTM D5453		10	15	---

DISTILLATION

	method	limit/base	current	history1	history2	
Initial Boiling Point	°C	ASTM D86	165	170	171	---
5% Distillation Point	°C	ASTM D86		191	192	---
10% Distill Point	°C	ASTM D86	201	201	201	---
15% Distillation Point	°C	ASTM D86		208	209	---
20% Distill Point	°C	ASTM D86	216	216	216	---
30% Distill Point	°C	ASTM D86	230	230	231	---
40% Distill Point	°C	ASTM D86	243	244	245	---
50% Distill Point	°C	ASTM D86	255	258	259	---
60% Distill Point	°C	ASTM D86	267	273	273	---
70% Distill Point	°C	ASTM D86	280	287	288	---
80% Distill Point	°C	ASTM D86	295	304	304	---
85% Distillation Point	°C	ASTM D86		315	315	---
90% Distill Point	°C	ASTM D86	310	327	327	---
95% Distillation Point	°C	ASTM D86		346	346	---
Final Boiling Point	°C	ASTM D86	341	360	360	---

IGNITION QUALITY

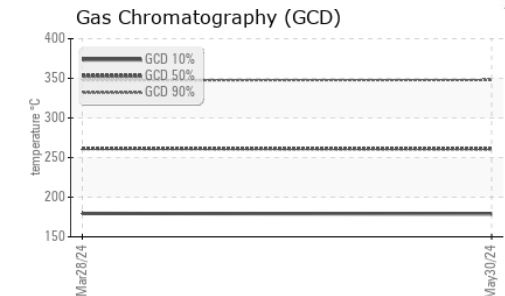
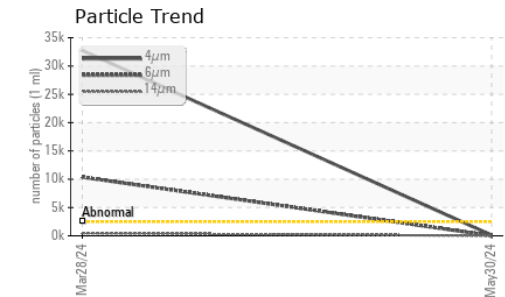
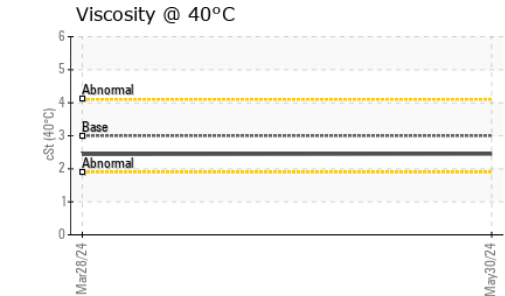
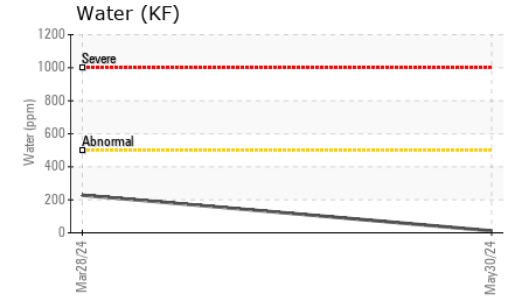
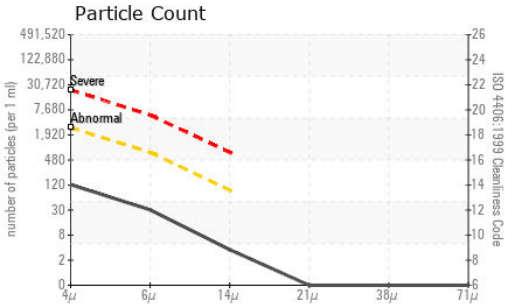
	method	limit/base	current	history1	history2
API Gravity	ASTM D7777	37.7	---	37	---
Cetane Index	ASTM D4737	<40.0	---	50	---

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	<1.0	<1	0	---
Sodium	ppm	ASTM D5185m	<0.1	2	<1	---
Potassium	ppm	ASTM D5185m	<0.1	2	0	---
Water	%	ASTM D6304	<0.05	0.001	0.022	---
ppm Water	ppm	ASTM D6304	<500	12	228	---
% Gasoline	%	*In-House	<0.50	0.0	0.0	---
% Biodiesel	%	*In-House	<20.0	0.0	0.0	---



FUEL REPORT

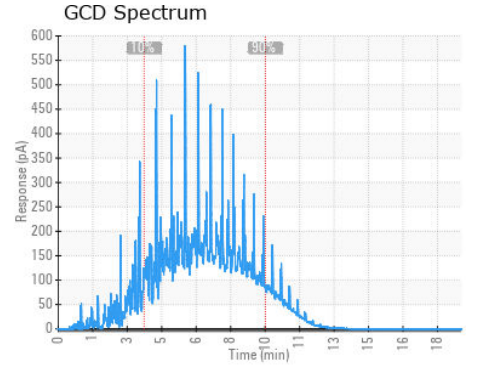
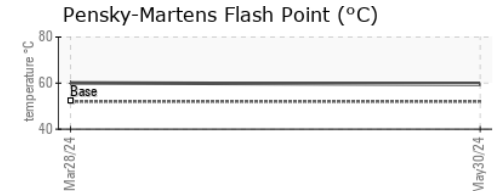
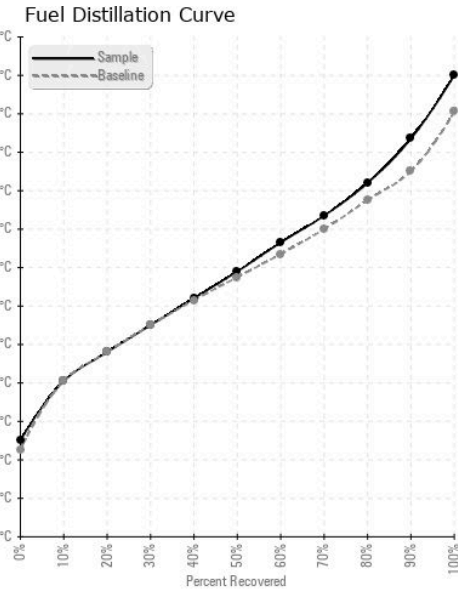


FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	108	▲ 32744	---
Particles >6µm	ASTM D7647	>640	27	▲ 10371	---
Particles >14µm	ASTM D7647	>80	3	▲ 451	---
Particles >21µm	ASTM D7647	>20	0	▲ 74	---
Particles >38µm	ASTM D7647	>4	0	0	---
Particles >71µm	ASTM D7647	>3	0	0	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	14/12/9	▲ 22/21/16	---

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	1	0	---
Vanadium	ppm	ASTM D5185m	<0.1	0	0	---
Iron	ppm	ASTM D5185m	<0.1	<1	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. : WC0953954 **Received** : 07 Jun 2024
Lab Number : **06204070** **Tested** : 14 Jun 2024
Unique Number : 11071531 **Diagnosed** : 14 Jun 2024 - Elizabeth Valachovic
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)