



FUEL REPORT

Sample Rating Trend



NORMAL



Area

OWENSBORO HEALTH OFFSITE PARRISH AVE [17627]

Machine Id

[OWENSBORO HEALTH OFFSITE PARRISH AVE] PMOB1

Component

Diesel Fuel

Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (4200 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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. 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	WC06206052	---	---
Sample Date	Client Info	30 May 2024	---	---
Machine Age	hrs Client Info	0	---	---
Sample Status		NORMAL	---	---

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	61.5	---

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		195	---
10% Distill Point	°C ASTM D86	201	202	---
15% Distillation Point	°C ASTM D86		209	---
20% Distill Point	°C ASTM D86	216	215	---
30% Distill Point	°C ASTM D86	230	229	---
40% Distill Point	°C ASTM D86	243	243	---
50% Distill Point	°C ASTM D86	255	256	---
60% Distill Point	°C ASTM D86	267	272	---
70% Distill Point	°C ASTM D86	280	287	---
80% Distill Point	°C ASTM D86	295	304	---
85% Distillation Point	°C ASTM D86		316	---
90% Distill Point	°C ASTM D86	310	327	---
95% Distillation Point	°C ASTM D86		346	---
Final Boiling Point	°C ASTM D86	341	362	---

IGNITION QUALITY

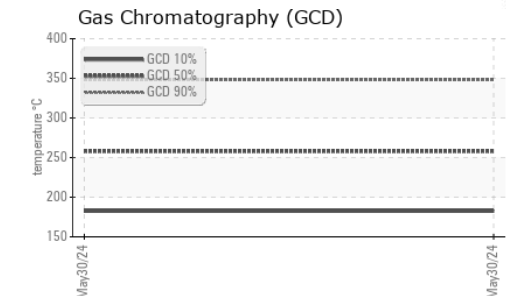
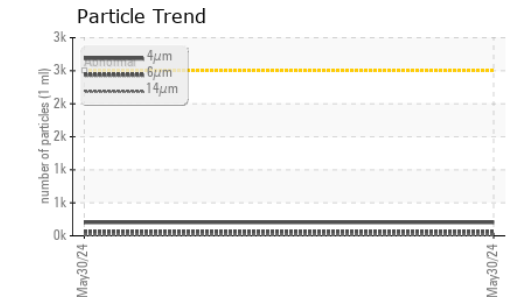
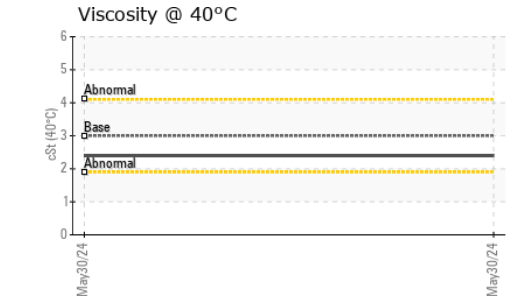
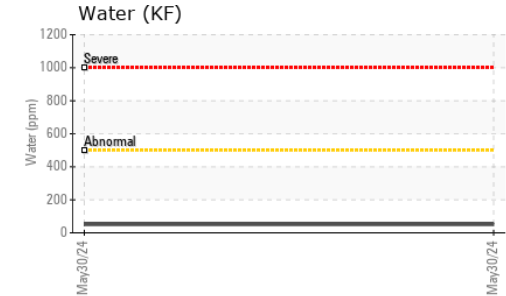
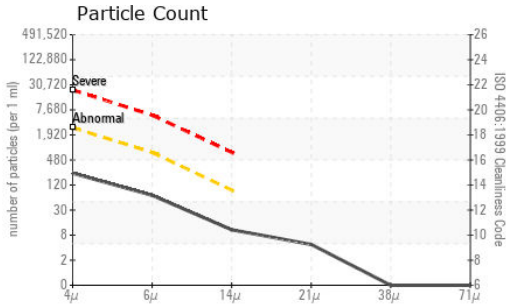
method	limit/base	current	history1	history2
API Gravity	ASTM D7777	37.7	37	---
Cetane Index	ASTM D4737	<40.0	49	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	<1.0	0	---
Sodium	ppm ASTM D5185m	<0.1	1	---
Potassium	ppm ASTM D5185m	<0.1	<1	---
Water	% ASTM D6304	<0.05	0.005	---
ppm Water	ppm ASTM D6304	<500	51	---
% Gasoline	% *In-House	<0.50	0.0	---
% Biodiesel	% *In-House	<20.0	0.0	---



FUEL REPORT

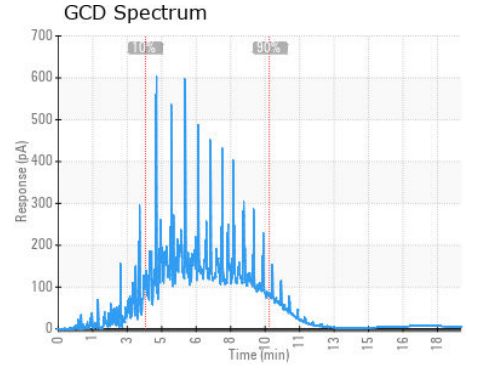
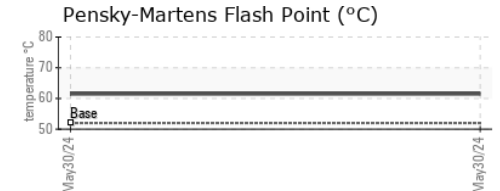
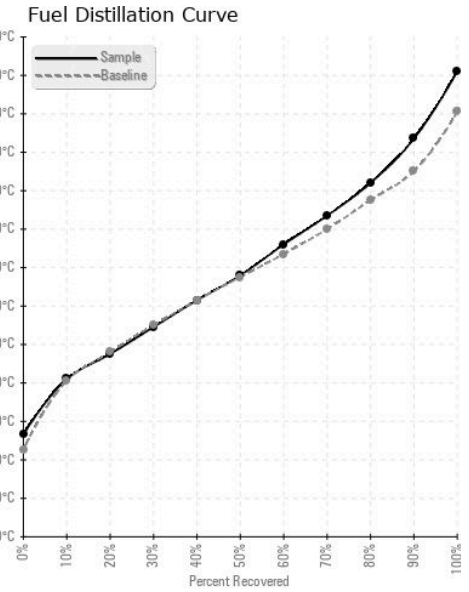


FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	203	---	---
Particles >6µm	ASTM D7647	>640	60	---	---
Particles >14µm	ASTM D7647	>80	9	---	---
Particles >21µm	ASTM D7647	>20	4	---	---
Particles >38µm	ASTM D7647	>4	0	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	15/13/10	---	---

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	1	---	---
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. : WC06206052 **Received** : 10 Jun 2024
Lab Number : 06206052 **Tested** : 19 Jun 2024
Unique Number : 11073513 **Diagnosed** : 19 Jun 2024 - Angela Borella
Test Package : DF-2 (Additional Tests: Fuel, Screen)

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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)