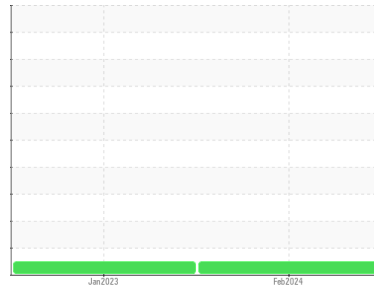




# FUEL REPORT

Sample Rating Trend



**NORMAL**



Area

[W133187]

Machine Id

**OLY0000PNAT01787 - DAVIDSON 911 CENTER**

Component

**Diesel Fuel**

Fluid

**DIESEL FUEL No. 1 (--- GAL)**

## DIAGNOSIS

### Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 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			<b>WC0884494</b>	WC0770656	---
Sample Date	Client Info			<b>19 Feb 2024</b>	20 Jan 2023	---
Machine Age	hrs	Client Info		<b>0</b>	0	---
Sample Status				<b>NORMAL</b>	NORMAL	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		<b>L4.0</b>	L5.5	---
Visc @ 40°C	cSt	ASTM D445	2.4	<b>2.54</b>	2.6	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		<b>242</b>	431	---
Sulfur (UVF)	ppm	ASTM D5453		<b>229</b>	270	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<b>0</b>	<1	---
Sodium	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	<1	---
Potassium	ppm	ASTM D5185m	<0.1	<b>0</b>	1	---
Water	%	ASTM D6304	<0.05	<b>0.010</b>	0.004	---
ppm Water	ppm	ASTM D6304	<500	<b>106</b>	40.6	---
% Gasoline	%	*In-House	<0.50	<b>0.0</b>	0.0	---
% Biodiesel	%	*In-House	<20.0	<b>0.0</b>	1.7	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	---	6802	---
Particles >6µm		ASTM D7647	>640	---	841	---
Particles >14µm		ASTM D7647	>80	---	101	---
Particles >21µm		ASTM D7647	>20	---	40	---
Particles >38µm		ASTM D7647	>4	---	2	---
Particles >71µm		ASTM D7647	>3	---	0	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	---	20/17/14	---

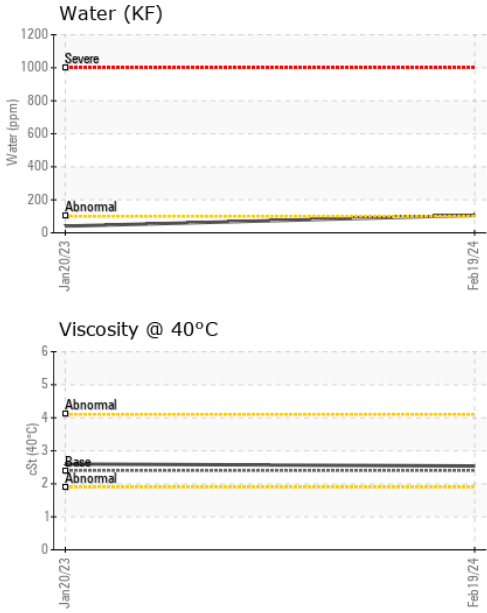
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	<0.1	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m	<0.1	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	---
Iron	ppm	ASTM D5185m	<0.1	<b>0</b>	0	---
Calcium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	---
Phosphorus	ppm	ASTM D5185m	<0.1	<b>0</b>	2	---
Zinc	ppm	ASTM D5185m	<0.1	<b>0</b>	0	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
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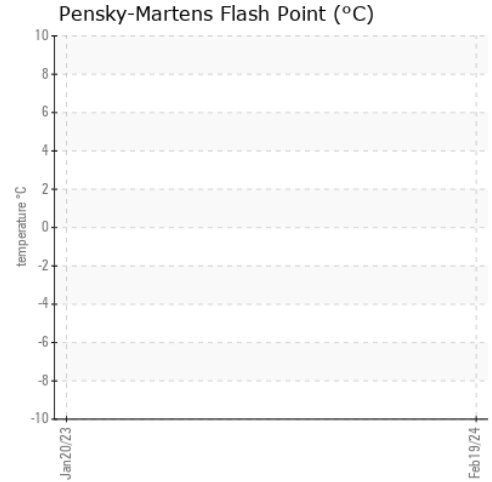
Color						no image
Bottom						no image



# FUEL REPORT



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0884494      **Received** : 02 Apr 2024  
**Lab Number** : 06136727      **Tested** : 12 Apr 2024  
**Unique Number** : 10956192      **Diagnosed** : 12 Apr 2024 - Doug Bogart  
**Test Package** : DF-5 ( Additional Tests: Screen )  
 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)

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