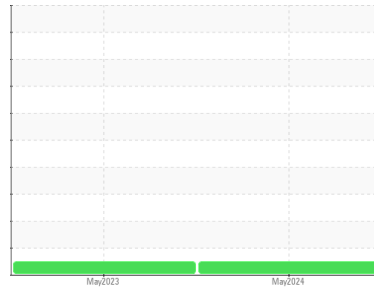




# FUEL REPORT

Sample Rating Trend



**NORMAL**



Area

[PMIAS3297175]

Machine Id

**GENERAC SD250 2043901**

Component

**Diesel Fuel**

Fluid

**No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- 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) present 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>DC0036991</b>	DC0026698	---
Sample Date	Client Info	<b>21 May 2024</b>	12 May 2023	---
Machine Age	hrs	<b>0</b>	289	---
Sample Status		<b>NORMAL</b>	NORMAL	---

## PHYSICAL PROPERTIES

method	limit/base	current	history1	history2	
ASTM Color	scalar	*ASTM D1500	<b>L4.5</b>	L5.5	---
Visc @ 40°C	cSt	ASTM D445	<b>3.0</b>	---	---

## SULFUR CONTENT

method	limit/base	current	history1	history2		
Sulfur	ppm	ASTM D5185m	10	<b>148</b>	70	---
Sulfur (UVF)	ppm	ASTM D5453		<b>86</b>	87	---

## IGNITION QUALITY

method	limit/base	current	history1	history2		
API Gravity		ASTM D7777	37.7	<b>37.3</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	<1.0	<b>&lt;1</b>	0	---
Sodium	ppm	ASTM D5185m	<0.1	<b>1</b>	0	---
Potassium	ppm	ASTM D5185m	<0.1	<b>3</b>	<1	---
Water	%	ASTM D6304	<0.05	<b>0.002</b>	0.005	---
ppm Water	ppm	ASTM D6304	<500	<b>24</b>	54.1	---
% Gasoline	%	*In-House	<0.50	<b>0.0</b>	0.0	---
% Biodiesel	%	*In-House	<20.0	<b>0.0</b>	0.0	---

## FLUID CLEANLINESS

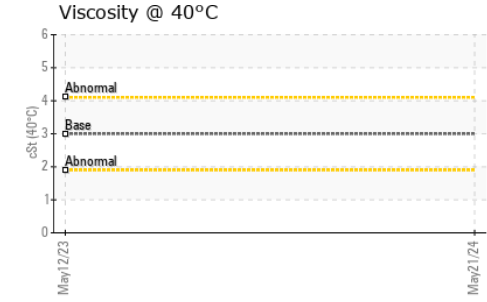
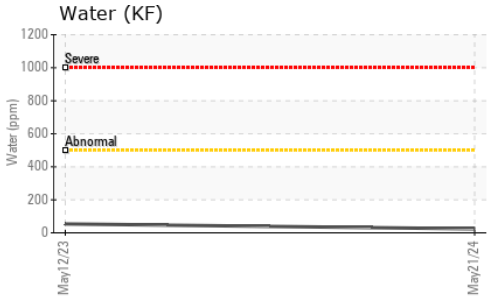
method	limit/base	current	history1	history2		
Particles >4µm		ASTM D7647	>2500	---	5422	---
Particles >6µm		ASTM D7647	>640	---	1373	---
Particles >14µm		ASTM D7647	>80	---	76	---
Particles >21µm		ASTM D7647	>20	---	21	---
Particles >38µm		ASTM D7647	>4	---	0	---
Particles >71µm		ASTM D7647	>3	---	0	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	---	20/18/13	---

## HEAVY METALS

method	limit/base	current	history1	history2		
Aluminum	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	0	---
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>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	0	---
Phosphorus	ppm	ASTM D5185m	<0.1	<b>1</b>	0	---
Zinc	ppm	ASTM D5185m	<0.1	<b>0</b>	0	---

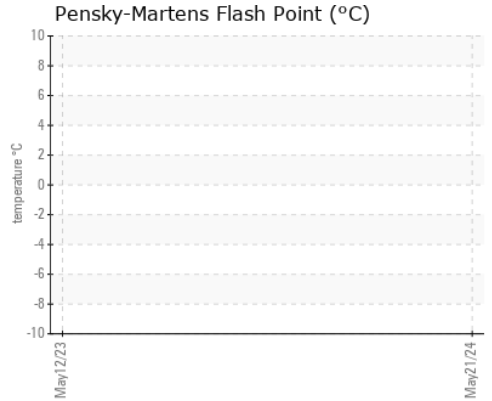


# FUEL REPORT



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

## GRAPHS



Certificate L2367

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)

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DC0036991 **Received** : 05 Jun 2024  
**Lab Number** : **06201102** **Tested** : 13 Jun 2024  
**Unique Number** : 11063225 **Diagnosed** : 13 Jun 2024 - Doug Bogart  
**Test Package** : DF-5 ( Additional Tests: API, Cetane, Fuel, PrtCount, Screen )

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