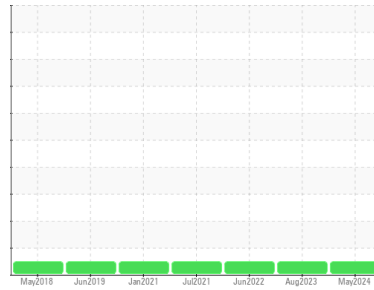




# FUEL REPORT

Sample Rating Trend



**NORMAL**



Area

[W152433]

Machine Id

**FIAT 3001982080 - TRIANGLE SPRINGS**

Component

**Diesel Fuel**

Fluid

**No.2 DIESEL FUEL (LOW-SULPHUR) (--- 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, Yeast and/or Fungus indicated in the sample. The water content is negligible. There is no indication of any contamination in the fuel.

### 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			<b>WC0797398</b>	WC0797434	WC0683069
Sample Date	Client Info			<b>08 May 2024</b>	29 Aug 2023	27 Jun 2022
Machine Age	hrs	Client Info		<b>0</b>	0	0
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		<b>L4.5</b>	L5.0	L5.5
Visc @ 40°C	cSt	ASTM D445	3.0	<b>2.4</b>	2.43	2.4

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	250	<b>3</b>	11	0
Sulfur (UVF)	ppm	ASTM D5453		<b>9</b>	9	9

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<b>&lt;1</b>	<1	<1
Sodium	ppm	ASTM D5185m	<0.1	<b>1</b>	<1	0
Potassium	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	0	0
Water	%	ASTM D6304	<0.05	<b>0.007</b>	0.00	0.006
ppm Water	ppm	ASTM D6304	<500	<b>72</b>	0.00	61.3
% Gasoline	%	*In-House	<0.50	<b>0.0</b>	0.0	0.0
% Biodiesel	%	*In-House	<20.0	<b>1.2</b>	1.5	2.1

MICROBIAL		method	limit/base	current	history1	history2
Bacteria	CFU/ml	WC-Method	>=100000	<b>0</b>	---	---
Yeast	CFU/ml	WC-Method	>=100000	<b>0</b>	---	---
Mold	Colonies	WC-Method	MODER	<b>---</b>	---	---

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

SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color

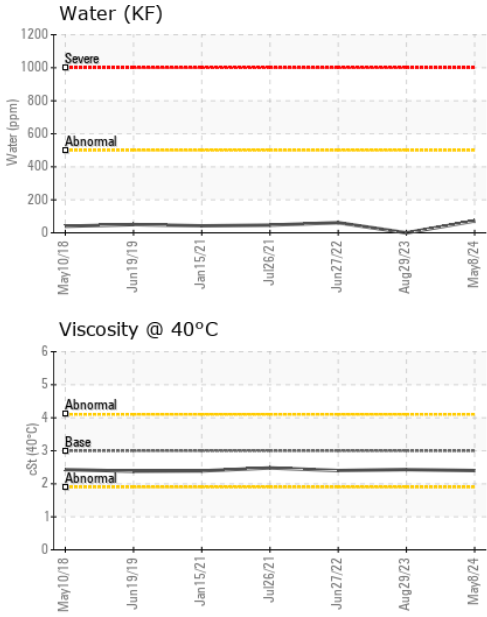


Bottom

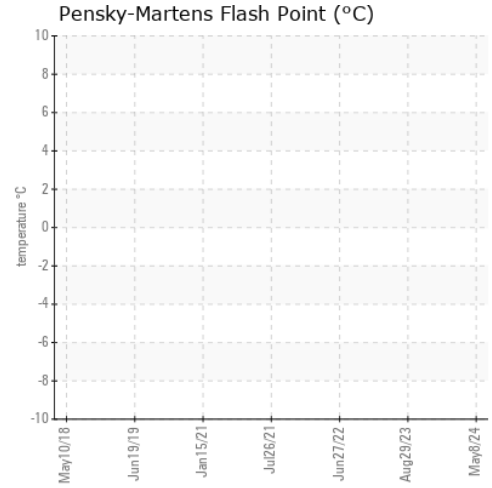




# FUEL REPORT



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0797398      **Received** : 13 May 2024  
**Lab Number** : 06177652      **Tested** : 22 May 2024  
**Unique Number** : 11023705      **Diagnosed** : 30 May 2024 - Angela Borella  
**Test Package** : DF-5 ( Additional Tests: BACTERIA, 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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