



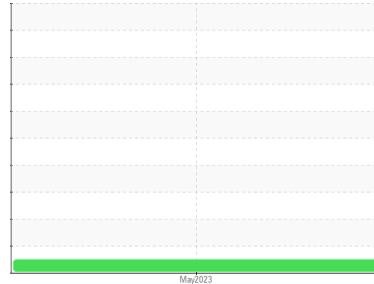
# FUEL REPORT

Sample Rating Trend

**NORMAL**



Area  
**[W102542]**  
 Machine Id  
**3011911490**  
 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 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. 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>WC0797446</b>	---	---
Sample Date	Client Info	<b>16 May 2023</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
ASTM Color	scalar *ASTM D1500	<b>L4.0</b>	---	---
Visc @ 40°C	cSt ASTM D445	<b>2.46</b>	---	---

## SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm ASTM D5185m	<b>0</b>	---	---
Sulfur (UVF)	ppm ASTM D5453	<b>9</b>	---	---

## CONTAMINANTS

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



## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	<b>&gt;2500</b>	---	---
Particles >6µm	ASTM D7647	<b>&gt;640</b>	---	---
Particles >14µm	ASTM D7647	<b>&gt;80</b>	---	---
Particles >21µm	ASTM D7647	<b>&gt;20</b>	---	---
Particles >38µm	ASTM D7647	<b>&gt;4</b>	---	---
Particles >71µm	ASTM D7647	<b>&gt;3</b>	---	---
Oil Cleanliness	ISO 4406 (c)	<b>&gt;18/16/13</b>	---	---

## HEAVY METALS

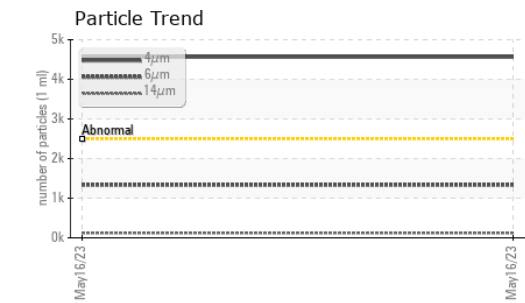
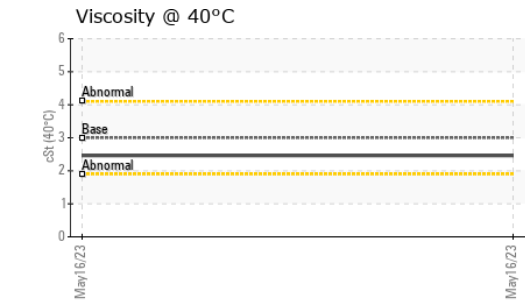
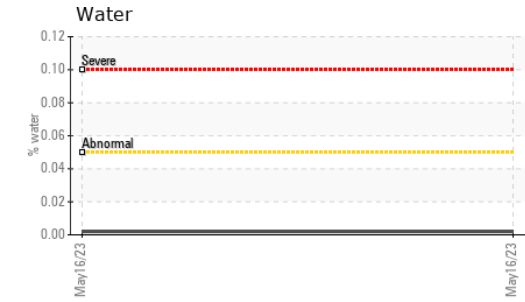
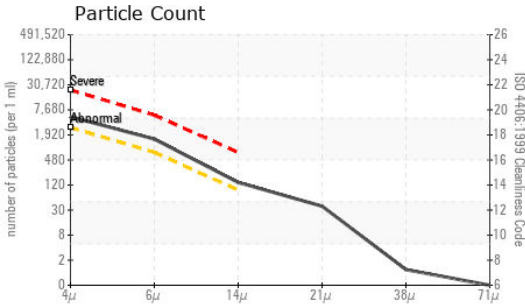
method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185m	<b>&lt;0.1</b>	---	---
Nickel	ppm ASTM D5185m	<b>&lt;0.1</b>	---	---
Lead	ppm ASTM D5185m	<b>&lt;0.1</b>	---	---
Vanadium	ppm ASTM D5185m	<b>&lt;0.1</b>	---	---
Iron	ppm ASTM D5185m	<b>&lt;0.1</b>	---	---
Calcium	ppm ASTM D5185m	<b>&lt;0.1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

## SAMPLE IMAGES

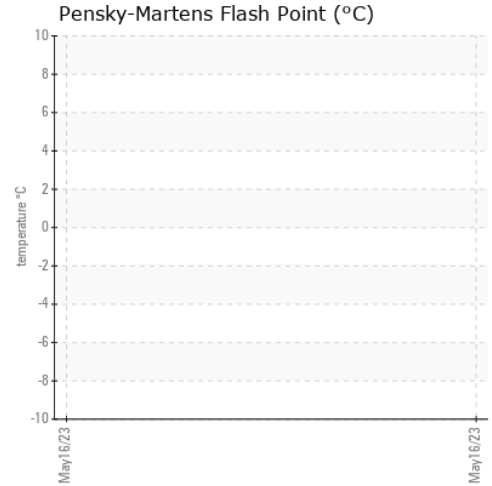
method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image



# FUEL REPORT



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0797446 **Received** : 06 Jun 2023  
**Lab Number** : 05866002 **Diagnosed** : 09 Jun 2023  
**Unique Number** : 10505786 **Diagnostician** : 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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