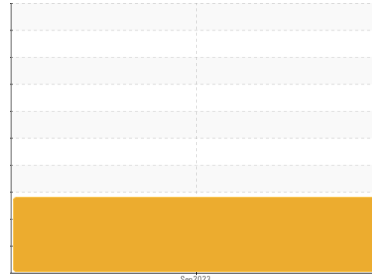




# FUEL REPORT

Sample Rating Trend



**WATER**



Machine Id  
**TRUIST WDC AST1**

Component  
**Bottom Diesel Fuel**

Fluid  
**DIESEL FUEL No. 2 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

We advise that you follow the water drain-off procedure for this component. We advise that you inspect for the source(s) of metal.

### ▲ Corrosion

Moderate concentration of visible metal present.

### ▲ Contaminants

Free water present. There is no bacteria or fungus (yeast and/or mold) present in the sample.

### 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>WC0787064</b>	---	---
Sample Date	Client Info			<b>19 Sep 2023</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

## PHYSICAL PROPERTIES

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		<b>L4.5</b>	---	---
Visc @ 40°C	cSt	ASTM D445	4.1	<b>2.46</b>	---	---

## SULFUR CONTENT

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		<b>10</b>	---	---
Sulfur (UVF)	ppm	ASTM D5453		<b>14</b>	---	---

## CONTAMINANTS

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<b>0</b>	---	---
Sodium	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Water	%	ASTM D6304	<0.05	<b>0.006</b>	---	---
ppm Water	ppm	ASTM D6304	<500	<b>62.8</b>	---	---
% Gasoline	%	*In-House	<0.50	<b>0.0</b>	---	---
% Biodiesel	%	*In-House	<20.0	<b>0.0</b>	---	---



## MICROBIAL

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

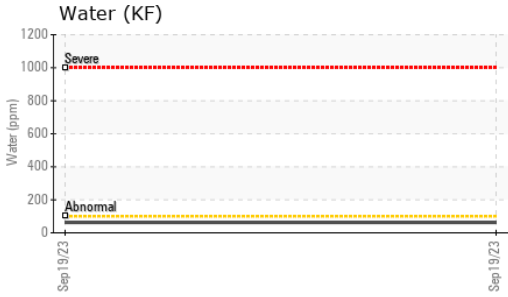
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Lead	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Iron	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Calcium	ppm	ASTM D5185m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

## SAMPLE IMAGES

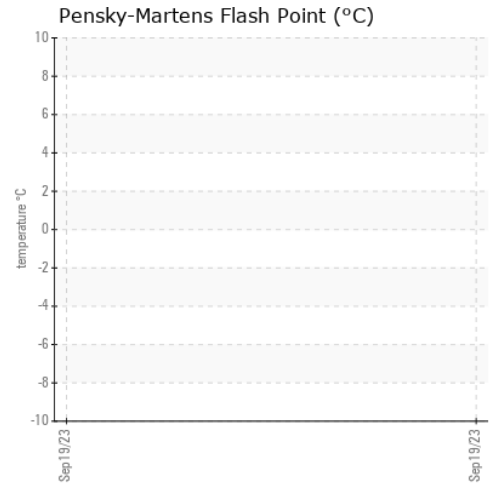
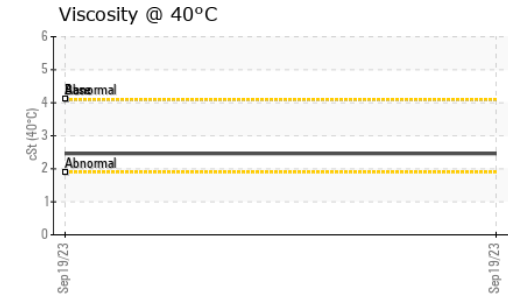
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image



# FUEL REPORT



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0787064 **Received** : 22 Sep 2023  
**Lab Number** : 05958876 **Diagnosed** : 03 Oct 2023  
**Unique Number** : 10660089 **Diagnostician** : Doug Bogart  
**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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