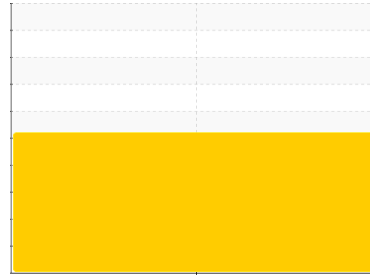




# FUEL REPORT

Sample Rating Trend



CONTAMINANT



Machine Id  
**TRUIST WDC AST3**

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. We recommend you service and check the fuel filters for mucous-like deposits. Check with fuel supplier for biocides available to destroy the microorganisms in the fuel system.

### Corrosion

Moderate concentration of visible metal present.

### Contaminants

Free water present. Moderate concentration of visible dirt/debris present in the fuel. There is a moderate concentration of Bacteria, Yeast and Fungus present in the sample.

### Fuel Condition

The fuel is no longer serviceable due to the presence of contaminants. 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>WC0787066</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		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		<b>L4.5</b>	---	---
Visc @ 40°C	cSt	ASTM D445	4.1	<b>2.44</b>	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		<b>3</b>	---	---
Sulfur (UVF)	ppm	ASTM D5453		<b>8</b>	---	---

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>0.007</b>	---	---
ppm Water	ppm	ASTM D6304	<500	<b>74.4</b>	---	---
% Gasoline	%	*In-House	<0.50	<b>0.0</b>	---	---
% Biodiesel	%	*In-House	<20.0	<b>0.0</b>	---	---

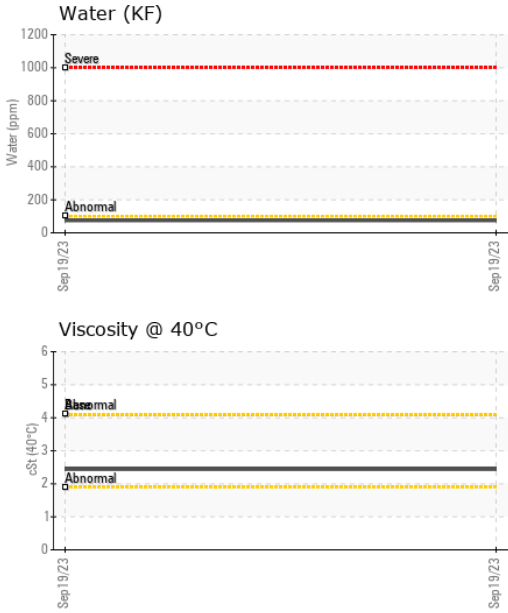
MICROBIAL		method	limit/base	current	history1	history2
Bacteria	CFU/ml	WC-Method	>=100000	<b>0</b>	---	---
Yeast	CFU/ml	WC-Method	>=100000	<b>▲ 10000</b>	---	---
Mold	Colonies	WC-Method	MODER	<b>---</b>	---	---

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

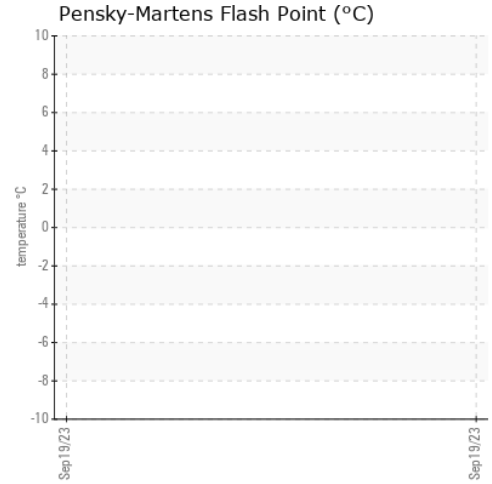
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image



# FUEL REPORT



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0787066 **Received** : 22 Sep 2023  
**Lab Number** : 05958875 **Diagnosed** : 03 Oct 2023  
**Unique Number** : 10660088 **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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