



# FUEL REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**UNIVERSITY OF SOUTH FLORIDA TRANSPORTATION TANK 2**  
 Component  
**Diesel Fuel**  
 Fluid  
**NOT GIVEN (30000 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>WC05905075</b>	---	---
Sample Date	Client Info	<b>19 Jul 2023</b>	---	---
Machine Age	mls	Client Info	<b>0</b>	---
Sample Status			<b>NORMAL</b>	---

## PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500	<b>1.5</b>	---
Visc @ 40°C	cSt	ASTM D445	<b>2.43</b>	---

## SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	<b>&lt;1</b>	---
Sulfur (UVF)	ppm	ASTM D5453	<b>12</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>0.006</b>
ppm Water	ppm	ASTM D6304	<500	<b>60.7</b>
% Gasoline	%	*In-House	<0.50	<b>0.0</b>
% Biodiesel	%	*In-House	<20.0	<b>0.0</b>

## HEAVY METALS

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

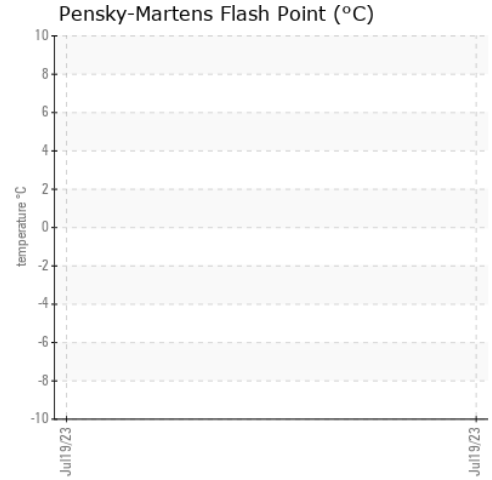
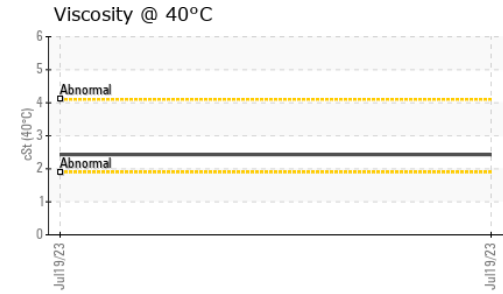
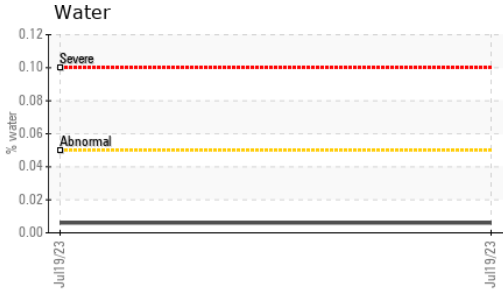
## SAMPLE IMAGES

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.** : WC05905075 **Received** : 21 Jul 2023  
**Lab Number** : **05905075** **Diagnosed** : 01 Aug 2023  
**Unique Number** : 10566431 **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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