



# FUEL REPORT

Sample Rating Trend



ISO



Machine Id  
**J BUS S5 FL**

Component  
**Diesel Fuel**

Fluid  
**No.1 DIESEL FUEL (HIGH-SULPHUR) (--- GAL)**

## DIAGNOSIS

### Recommendation

We advise that you filter this fluid before use. 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 a high amount of particulates present in the fuel. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible.

### 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>WC0943107</b>	---	---
Sample Date	Client Info			<b>06 Jun 2024</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>L3.5</b>	---	---
Visc @ 40°C	cSt	ASTM D445		<b>2.63</b>	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	275	<b>11</b>	---	---
Sulfur (UVF)	ppm	ASTM D5453		<b>9</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<b>&lt;1</b>	---	---
Sodium	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Potassium	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	---	---
Water	%	ASTM D6304	<0.05	<b>0.003</b>	---	---
ppm Water	ppm	ASTM D6304	<500	<b>37</b>	---	---
% Gasoline	%	*In-House	<0.50	<b>0.0</b>	---	---
% Biodiesel	%	*In-House	<20.0	<b>0.0</b>	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	<b>▲ 204735</b>	---	---
Particles >6µm		ASTM D7647	>640	<b>▲ 113147</b>	---	---
Particles >14µm		ASTM D7647	>80	<b>▲ 6377</b>	---	---
Particles >21µm		ASTM D7647	>20	<b>▲ 533</b>	---	---
Particles >38µm		ASTM D7647	>4	<b>4</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>▲ 25/24/20</b>	---	---

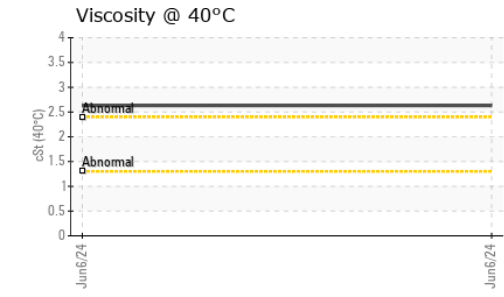
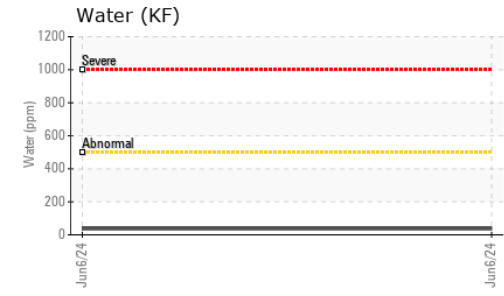
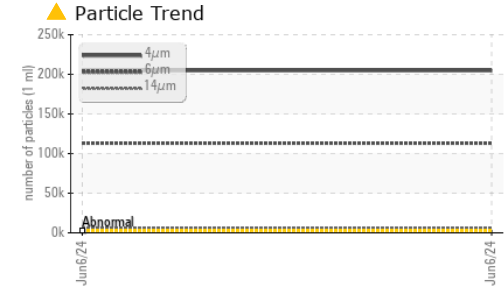
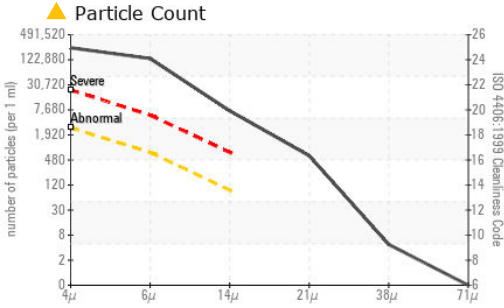
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Lead	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Iron	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	---	---
Phosphorus	ppm	ASTM D5185m	<0.1	<b>0</b>	---	---
Zinc	ppm	ASTM D5185m	<0.1	<b>11</b>	---	---

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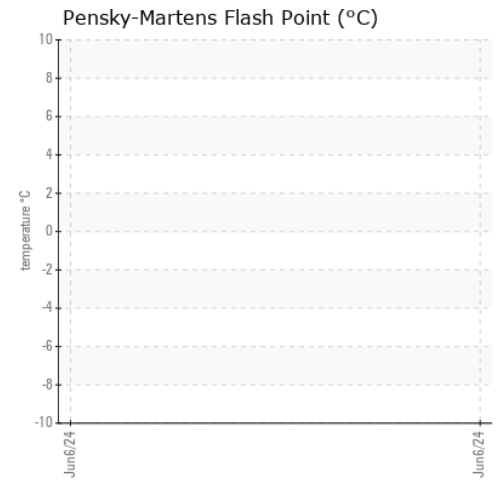
Color					no image	no image
Bottom					no image	no image



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## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0943107 **Received** : 10 Jun 2024  
**Lab Number** : 06206040 **Tested** : 24 Jun 2024  
**Unique Number** : 11073501 **Diagnosed** : 24 Jun 2024 - Doug Bogart  
**Test Package** : DF-5 ( Additional Tests: Screen )

**BROWNIES TRACTOR LLC**  
 14145 OH-691  
 NELSONVILLE, OH  
 US 45764  
 Contact: ALEX DANIEL  
 browniestractors@gmail.com  
 T: (304)481-2616  
 F:

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)