



# FUEL REPORT

Sample Rating Trend

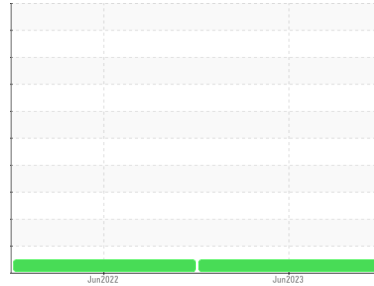
**NORMAL**



Machine Id  
**SILVER BLUFF 150KW REHAB**

Component  
**Diesel Fuel**  
Fluid

**DIESEL FUEL No. 1 (--- LTR)**



## DIAGNOSIS

### Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 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. The amount and size of particulates present in the system are acceptable.

### Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

SAMPLE INFORMATION		method	limit/base	current	history 1	history 2
Sample Number	Client Info			<b>WC0814516</b>	WC0591324	---
Sample Date	Client Info			<b>07 Jun 2023</b>	16 Jun 2022	---
Machine Age	mls	Client Info		<b>0</b>	0	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## PHYSICAL PROPERTIES

PHYSICAL PROPERTIES		method	limit/base	current	history 1	history 2
ASTM Color	scalar	*ASTM D1500		<b>L4.5</b>	L5.5	---
Visc @ 40°C	cSt	ASTM D445	2.4	<b>2.41</b>	2.53	---

## SULFUR CONTENT

SULFUR CONTENT		method	limit/base	current	history 1	history 2
Sulfur	ppm	ASTM D5185m		<b>111</b>	106	---
Sulfur (UVF)	ppm	ASTM D5453		<b>92</b>	104	---

## CONTAMINANTS

CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	<1.0	<b>0</b>	0	---
Sodium	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	0	---
Potassium	ppm	ASTM D5185m	<0.1	<b>0</b>	<1	---
Water	%	ASTM D6304	<0.05	<b>0.003</b>	0.004	---
ppm Water	ppm	ASTM D6304	<500	<b>32.0</b>	44.6	---
% Gasoline	%	*In-House	<0.50	<b>0.0</b>	0.0	---
% Biodiesel	%	*In-House	<20.0	<b>0.0</b>	0.0	---

## FLUID CLEANLINESS

FLUID CLEANLINESS		method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647	>2500	<b>1078</b>	9123	---
Particles >6µm		ASTM D7647	>640	<b>357</b>	3411	---
Particles >14µm		ASTM D7647	>80	<b>30</b>	337	---
Particles >21µm		ASTM D7647	>20	<b>7</b>	75	---
Particles >38µm		ASTM D7647	>4	<b>0</b>	6	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>17/16/12</b>	20/19/16	---

## HEAVY METALS

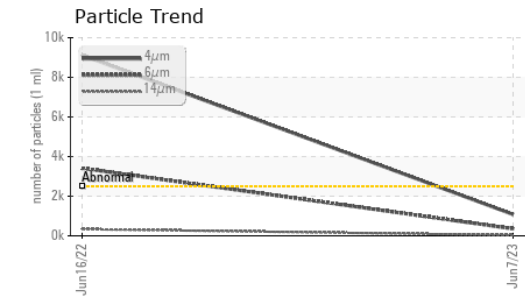
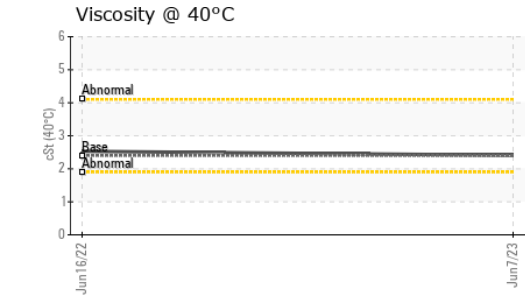
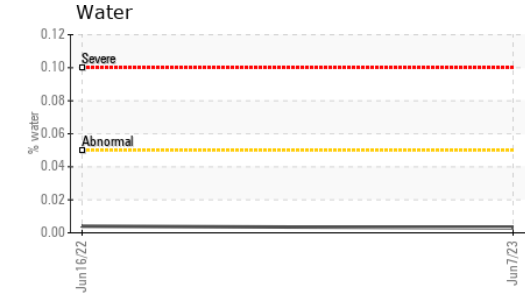
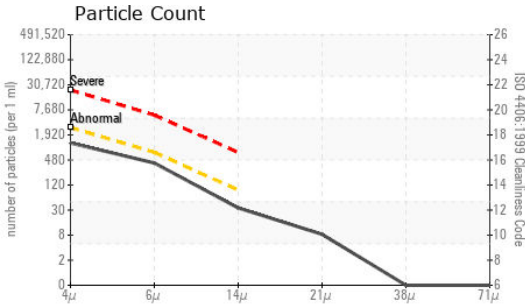
HEAVY METALS		method	limit/base	current	history 1	history 2
Aluminum	ppm	ASTM D5185m	<0.1	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185m	<0.1	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	---
Iron	ppm	ASTM D5185m	<0.1	<b>0</b>	0	---
Calcium	ppm	ASTM D5185m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

## SAMPLE IMAGES

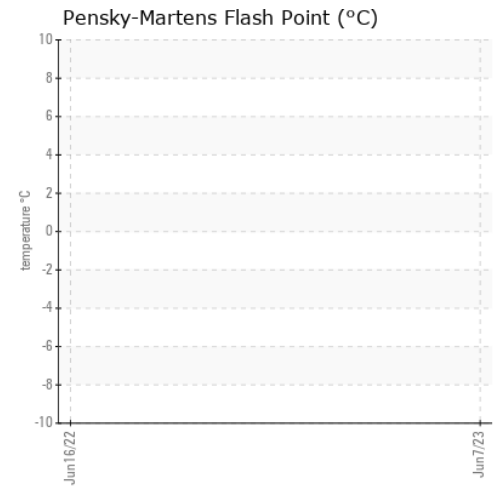
SAMPLE IMAGES		method	limit/base	current	history 1	history 2
Color						no image
Bottom						no image



# FUEL REPORT



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0814516 **Received** : 15 Jun 2023  
**Lab Number** : 05874727 **Diagnosed** : 22 Jun 2023  
**Unique Number** : 10519830 **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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