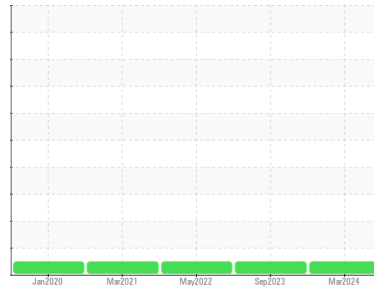




# FUEL REPORT

## Sample Rating Trend



**NORMAL**



Area

**Map Runner**

Machine Id

**[Map Runner] Diesel - #1 Port**

Component

**Diesel Fuel**

Fluid

**No.2 DIESEL FUEL (ULTRALOW SULPHUR) (7286 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

There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible. 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>WC0600474</b>	WC0805581	WC0600454
Sample Date	Client Info			<b>29 Mar 2024</b>	27 Sep 2023	10 May 2022
Machine Age	hrs	Client Info		<b>0</b>	0	0
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		<b>L4.0</b>	---	L5.0
Visc @ 40°C	cSt	ASTM D445	3.0	<b>2.43</b>	2.57	2.36

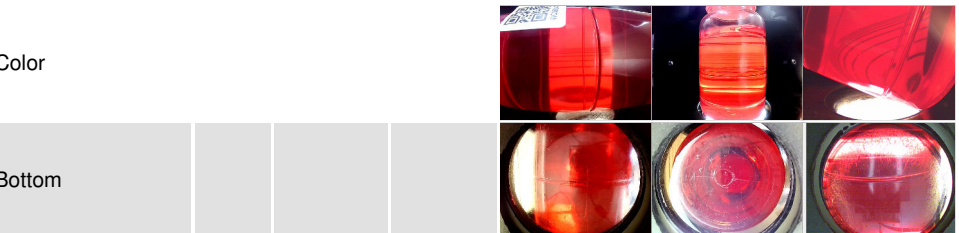
SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	<b>0</b>	6	0
Sulfur (UVF)	ppm	ASTM D5453		<b>10</b>	---	8

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<b>0</b>	0	0
Sodium	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	<1	0
Potassium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Water	%	ASTM D6304	<0.05	<b>0.001</b>	0.002	0.002
ppm Water	ppm	ASTM D6304	<500	<b>14</b>	23.2	24.7
% Gasoline	%	*In-House	<0.50	<b>0.0</b>	---	0.0
% Biodiesel	%	*In-House	<20.0	<b>0.0</b>	---	0.0

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	<b>1921</b>	---	627
Particles >6µm		ASTM D7647	>640	<b>384</b>	---	175
Particles >14µm		ASTM D7647	>80	<b>29</b>	---	24
Particles >21µm		ASTM D7647	>20	<b>9</b>	---	7
Particles >38µm		ASTM D7647	>4	<b>2</b>	---	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	---	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>18/16/12</b>	---	16/15/12

HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Lead	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Iron	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Calcium	ppm	ASTM D5185m	<0.1	<b>0</b>	2	0
Magnesium	ppm	ASTM D5185m	<0.1	<b>0</b>	1	0
Phosphorus	ppm	ASTM D5185m	<0.1	<b>0</b>	6	0
Zinc	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0

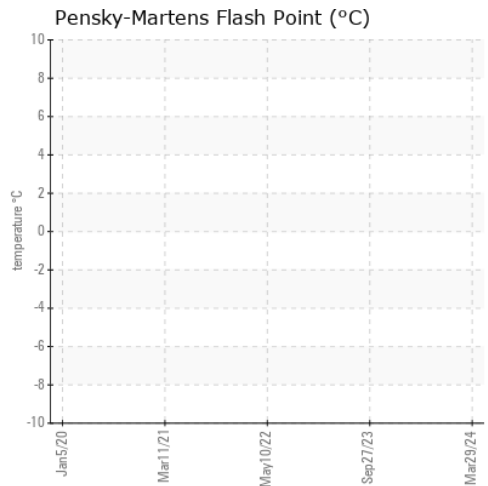
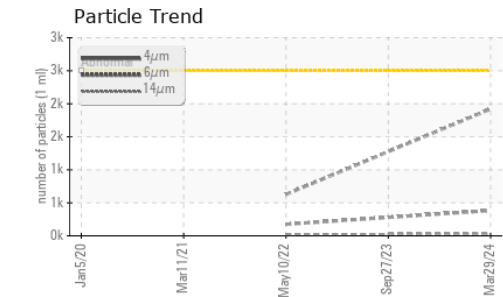
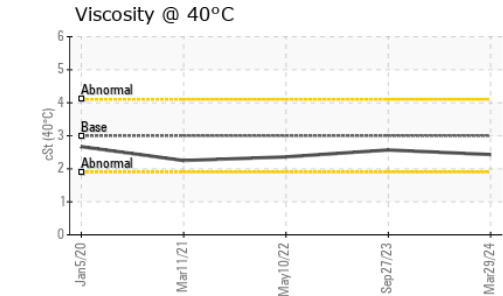
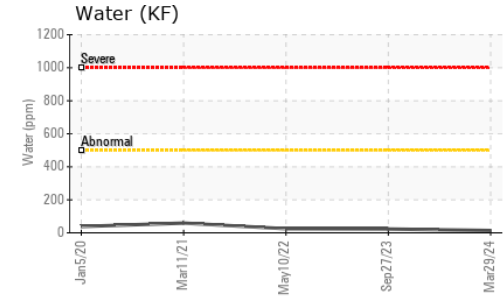
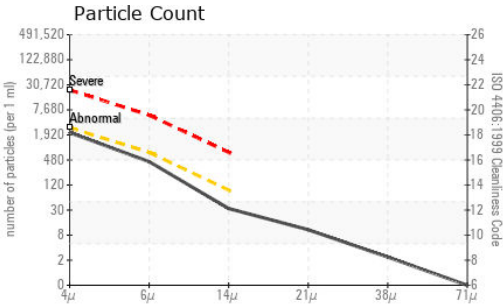
SAMPLE IMAGES		method	limit/base	current	history1	history2
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# FUEL REPORT

## GRAPHS



Certificate L2367

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)

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0600474  
**Lab Number** : 06140410  
**Unique Number** : 10965218  
**Test Package** : DF-5 ( Additional Tests: Screen )

**Received** : 05 Apr 2024  
**Tested** : 15 Apr 2024  
**Diagnosed** : 15 Apr 2024 - Doug Bogart

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