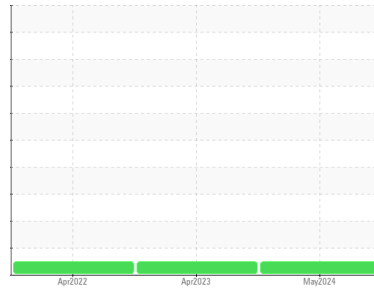




# FUEL REPORT

Sample Rating Trend



**NORMAL**



Area  
**[PMIAS2786024]**  
 Machine Id  
**9CR02883**  
 Component  
**Diesel Fuel**  
 Fluid  
**No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- QTS)**

## 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, Yeast and/or Fungus indicated in the sample. There is no indication of any contamination in the fuel.

### Fuel Condition

Sulfur value derived by ASTM D4294 method for ULSD validation.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>DC0029134</b>	DC0024972	DCDF01724
Sample Date	Client Info			<b>28 May 2024</b>	06 Apr 2023	25 Apr 2022
Machine Age	hrs	Client Info		<b>710</b>	691	0
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		<b>L4.5</b>	L4.0	4.0
Visc @ 40°C	cSt	ASTM D445	3.0	<b>2.33</b>	2.41	2.41

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	<b>147</b>	186	181
Sulfur (UVF)	ppm	ASTM D5453		<b>104</b>	147	213

IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	<b>36.5</b>	36.7	36.8

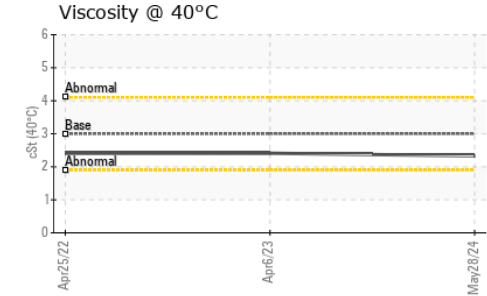
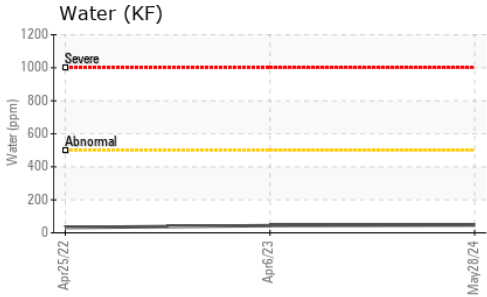
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<b>&lt;1</b>	0	<1
Sodium	ppm	ASTM D5185m	<0.1	<b>1</b>	0	0
Potassium	ppm	ASTM D5185m	<0.1	<b>2</b>	0	0
Water	%	ASTM D6304	<0.05	<b>0.004</b>	0.004	0.003
ppm Water	ppm	ASTM D6304	<500	<b>47</b>	43.9	32.2
% Gasoline	%	*In-House	<0.50	<b>0.0</b>	0.0	0.0
% Biodiesel	%	*In-House	<20.0	<b>2.1</b>	1.4	0.9

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	<b>---</b>	527	882
Particles >6µm		ASTM D7647	>640	<b>---</b>	174	178
Particles >14µm		ASTM D7647	>80	<b>---</b>	24	9
Particles >21µm		ASTM D7647	>20	<b>---</b>	9	1
Particles >38µm		ASTM D7647	>4	<b>---</b>	0	0
Particles >71µm		ASTM D7647	>3	<b>---</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>---</b>	16/15/12	17/15/10

HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	<b>0</b>	0	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>	<1	<1
Calcium	ppm	ASTM D5185m	<0.1	<b>2</b>	0	0
Magnesium	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	0	<1
Phosphorus	ppm	ASTM D5185m	<0.1	<b>1</b>	0	8
Zinc	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0

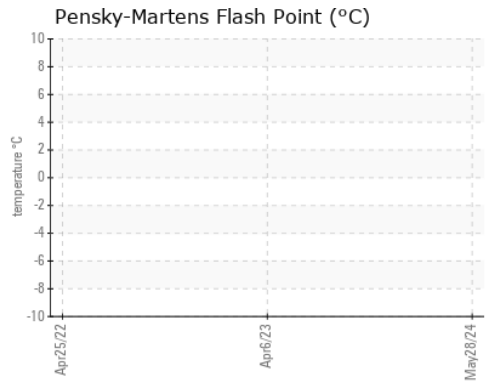


# FUEL REPORT



SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						

## 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.** : DC0029134  
**Lab Number** : 06199740  
**Unique Number** : 11061863  
**Test Package** : DF-5 ( Additional Tests: API, Cetane, Fuel, PrtCount, Screen )

**Received** : 04 Jun 2024  
**Tested** : 13 Jun 2024  
**Diagnosed** : 13 Jun 2024 - Doug Bogart

**KELLY GENERATOR & EQUIPMENT INC**  
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