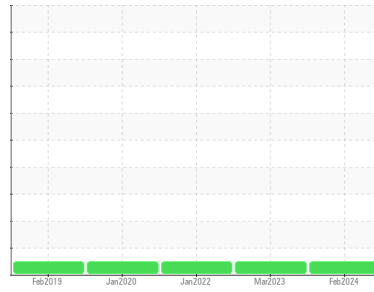




# FUEL REPORT

## Sample Rating Trend



**NORMAL**



Area

[PMIAS3286683]

Machine Id

**GENERAC 10475170100 2100972**

Component

**Diesel Fuel**

Fluid

**No.2 DIESEL FUEL (LOW-SULPHUR) (9 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>DC0034692</b>	DC0025198	DC0014142
Sample Date	Client Info			<b>23 Feb 2024</b>	21 Mar 2023	12 Jan 2022
Machine Age	hrs	Client Info		<b>615</b>	590	560
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		<b>L2.5</b>	L1.5	L1.0
Visc @ 40°C	cSt	ASTM D445	3.0	<b>2.46</b>	2.57	2.5

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	250	<b>0</b>	0	19
Sulfur (UVF)	ppm	ASTM D5453		<b>15</b>	18	18

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

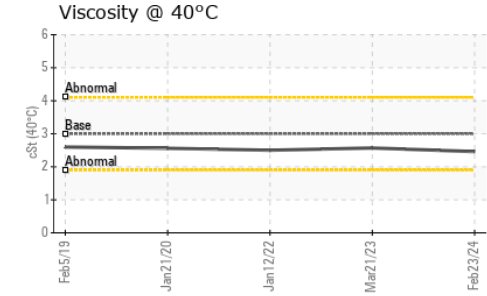
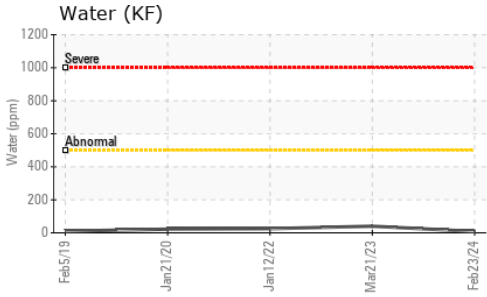
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<b>2</b>	1	0
Sodium	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	0	0
Potassium	ppm	ASTM D5185m	<0.1	<b>0</b>	<1	0
Water	%	ASTM D6304	<0.05	<b>0.001</b>	0.004	0.002
ppm Water	ppm	ASTM D6304	<500	<b>8</b>	40.3	25.0
% Gasoline	%	*In-House	<0.50	<b>0.0</b>	0.0	0.0
% Biodiesel	%	*In-House	<20.0	<b>0.0</b>	0.0	0.0

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	---	1826	711
Particles >6µm		ASTM D7647	>640	---	623	280
Particles >14µm		ASTM D7647	>80	---	56	43
Particles >21µm		ASTM D7647	>20	---	12	10
Particles >38µm		ASTM D7647	>4	---	1	0
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	---	18/16/13	17/15/13

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>	0	0
Calcium	ppm	ASTM D5185m	<0.1	<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m	<0.1	<b>0</b>	1	1
Zinc	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0

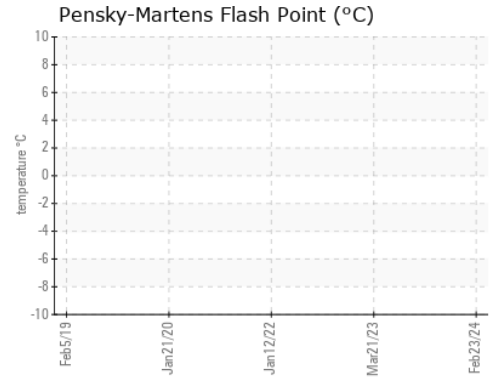


# FUEL REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DC0034692  
**Lab Number** : 06122861  
**Unique Number** : 10937012  
**Test Package** : DF-5 ( Additional Tests: API, Cetane, Fuel, Screen )

**Received** : 19 Mar 2024  
**Tested** : 07 Apr 2024  
**Diagnosed** : 07 Apr 2024 - Doug Bogart

**KELLY GENERATOR & EQUIPMENT INC**  
 1955 DALE LN  
 OWINGS, MD  
 US 20736

Contact: LESLIE SNURR  
 LSNURR@KGE.COM

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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