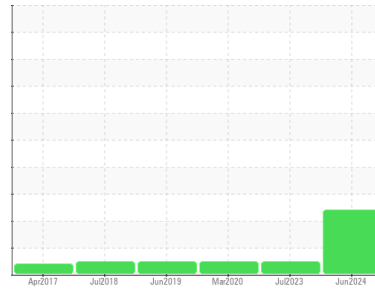




# FUEL REPORT

Sample Rating Trend



ISO



Area

[PMOAS3263574]

Machine Id

DFJD4475826 (S/N D000090786)

Component

Diesel Fuel

Fluid

No.2 DIESEL FUEL (LOW-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. Moderate concentration of visible dirt/debris present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample.

### 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	DC0036936	DC0025190	DCDF02042
Sample Date	Client Info	04 Jun 2024	18 Jul 2023	31 Mar 2020
Machine Age	hrs	Client Info	1623	0
Sample Status		ABNORMAL	NORMAL	NORMAL

## PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500	L4.0	L4.0
Visc @ 40°C	cSt	ASTM D445	3.0	2.4

## SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	250	0
Sulfur (UVF)	ppm	ASTM D5453		10

## IGNITION QUALITY

method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37.5

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1
Sodium	ppm	ASTM D5185m	<0.1	1
Potassium	ppm	ASTM D5185m	<0.1	<1
Water	%	ASTM D6304	<0.05	0.004
ppm Water	ppm	ASTM D6304	<500	48
% Gasoline	%	*In-House	<0.50	0.0
% Biodiesel	%	*In-House	<20.0	0.0

## FLUID CLEANLINESS

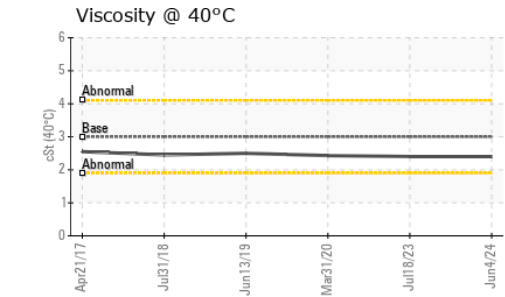
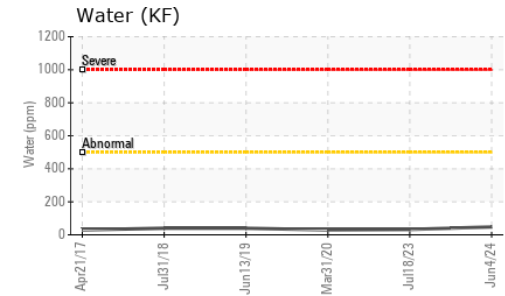
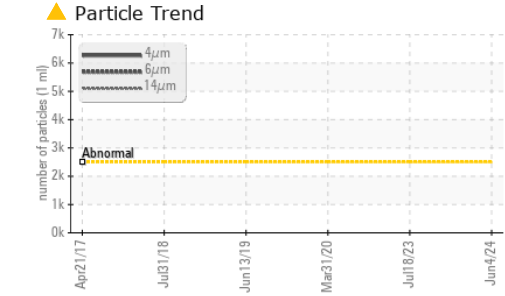
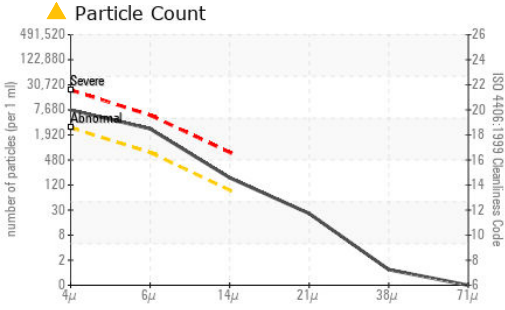
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	▲ 6648	---
Particles >6µm	ASTM D7647	>640	▲ 2353	---
Particles >14µm	ASTM D7647	>80	▲ 158	---
Particles >21µm	ASTM D7647	>20	▲ 22	---
Particles >38µm	ASTM D7647	>4	1	---
Particles >71µm	ASTM D7647	>3	0	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	▲ 20/18/14	---

## HEAVY METALS

method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0
Nickel	ppm	ASTM D5185m	<0.1	0
Lead	ppm	ASTM D5185m	<0.1	0
Vanadium	ppm	ASTM D5185m	<0.1	<1
Iron	ppm	ASTM D5185m	<0.1	0
Calcium	ppm	ASTM D5185m	<0.1	0
Magnesium	ppm	ASTM D5185m	<0.1	0
Phosphorus	ppm	ASTM D5185m	<0.1	<1
Zinc	ppm	ASTM D5185m	<0.1	0

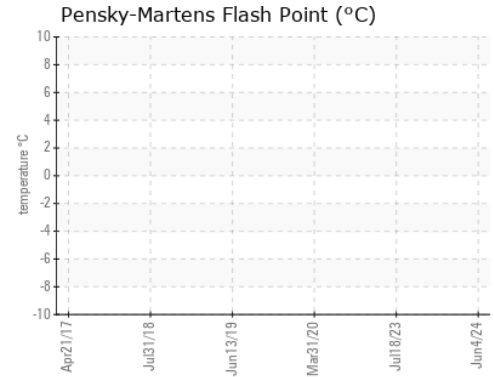


# FUEL REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DC0036936  
**Lab Number** : 06220271  
**Unique Number** : 11098468  
**Test Package** : DF-5 ( Additional Tests: API, Cetane, Fuel, PrtCount, Screen )

**Received** : 25 Jun 2024  
**Tested** : 28 Jun 2024  
**Diagnosed** : 28 Jun 2024 - Elizabeth Valachovic

**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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