



# FUEL REPORT

CORROSION	<b>NORMAL</b>
CONTAMINANTS	<b>NORMAL</b>
FUEL CONDITION	<b>NORMAL</b>

Area

[PMOAS3372434]

Machine Id

GENERAC 1DLC1250-2M 801-2 (S/N P1402240006)

Component

Diesel Fuel

Fluid

No.2 DIESEL FUEL (LOW-SULPHUR) (--- QTS)

## RECOMMENDATION

All laboratory tests indicate that this sample meets specifications for No.2 diesel fuel, ultra-low sulfur.

## CORROSION

All metal levels are normal indicating no corrosion in the system.

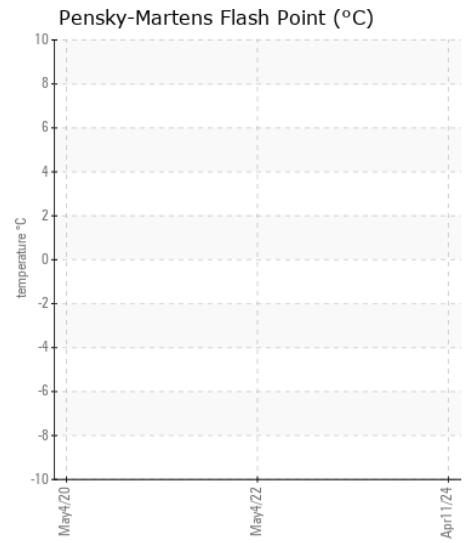
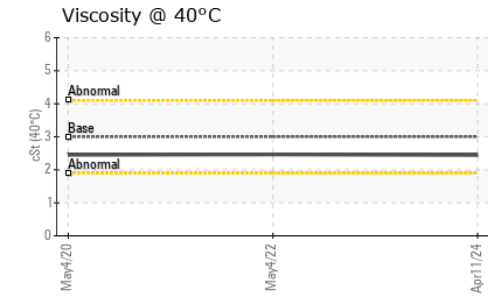
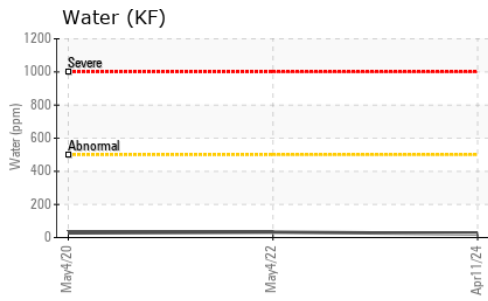
## CONTAMINANTS

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. Sulfur level is acceptable for ULSD specification.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>DC0036986</b>	DC0019559	WCDF02179
Sample Date		Client Info		<b>11 Apr 2024</b>	04 May 2022	04 May 2020
Machine Age	hrs	Client Info		<b>217</b>	161	0
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL
Aluminum	ppm	ASTM D5185m	<0.1	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	<0.1	<b>0</b>	0	<1
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	1
Silicon	ppm	ASTM D5185m	<1.0	<b>&lt;1</b>	0	0
Sodium	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	0	0
Potassium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	2
Water	%	ASTM D6304	<0.05	<b>0.002</b>	0.003	0.003
ppm Water	ppm	ASTM D6304	<500	<b>23</b>	32.9	28.3
Particles >4µm		ASTM D7647	>2500	<b>---</b>	3167	---
Particles >6µm		ASTM D7647	>640	<b>---</b>	979	---
Particles >14µm		ASTM D7647	>80	<b>---</b>	69	---
Particles >21µm		ASTM D7647	>20	<b>---</b>	15	---
Particles >38µm		ASTM D7647	>4	<b>---</b>	1	---
Particles >71µm		ASTM D7647	>3	<b>---</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>---</b>	19/17/13	---
% 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
Calcium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	1
Magnesium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m	<0.1	<b>0</b>	2	<1
Zinc	ppm	ASTM D5185m	<0.1	<b>0</b>	0	<1
ASTM Color	scalar	*ASTM D1500		<b>L4.5</b>	L4.0	L5.5
Visc @ 40°C	cSt	ASTM D445	3.0	<b>2.44</b>	2.46	2.45
Sulfur	ppm	ASTM D5185m	250	<b>0</b>	14	33
Sulfur (UVF)	ppm	ASTM D5453		<b>14</b>	12	22
API Gravity		ASTM D7777	37.7	<b>37.3</b>	37.2	36.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DC0036986  
**Lab Number** : 06152452  
**Unique Number** : 10982530  
**Test Package** : DF-5 ( Additional Tests: API, Cetane, Fuel, PrtCount, Screen )

**Received** : 17 Apr 2024  
**Tested** : 24 Apr 2024  
**Diagnosed** : 24 Apr 2024 - Angela Borella

**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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