

# **FUEL REPORT**

Zinc

ppm

ASTM D5185m <0.1

<1

## Area [SR3497076] GENERAC SD0350 9421150 - GEN 01

**Diesel Fuel** 

Fluid No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- 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, Yeast and/or Fungus indicated in the sample. There is no indication of any contamination in the fuel. The amount and size of particulates present in the system are acceptable.

### **Fuel Condition**

Sulfur value derived by ASTM D4294 method for ULSD validation. Sulfur level is acceptable for ULSD specification.



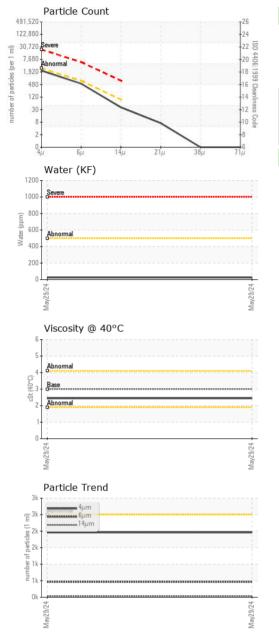
Sample Rating Trend

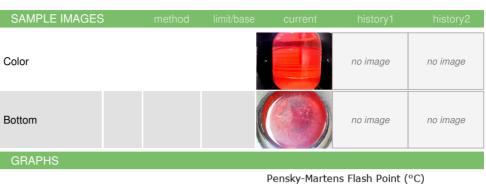


SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		DC0036988		
Sample Date		Client Info		29 May 2024		
Machine Age	hrs	Client Info		299		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445	3.0	2.44		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	7		
Sulfur (UVF)	ppm	ASTM D5453		14		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37.2		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1		
Sodium	ppm	ASTM D5185m	<0.1	2		
Potassium	ppm	ASTM D5185m	<0.1	2		
Water	%	ASTM D6304	<0.05	0.002		
ppm Water	ppm	ASTM D6304	<500	24		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	1960		
Particles >6µm		ASTM D7647	>640	465		
Particles >14µm		ASTM D7647	>80	34		
Particles >21µm		ASTM D7647	>20	6		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	18/16/12		
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0		
Nickel	ppm	ASTM D5185m	<0.1	<1		
Lead	ppm	ASTM D5185m	<0.1	0		
Vanadium	ppm	ASTM D5185m	<0.1	0		
Iron	ppm	ASTM D5185m	<0.1	0		
Calcium	ppm	ASTM D5185m	<0.1	0		
Magnesium	ppm	ASTM D5185m	<0.1	1		
Phosphorus	ppm	ASTM D5185m	<0.1	0		









# Pensky-Martens Flash Point (°C)

**KELLY GENERATOR & EQUIPMENT INC** Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : DC0036988 Received : 13 Jun 2024 1955 DALE LN Lab Number : 06209101 Tested : 20 Jun 2024 OWINGS, MD Unique Number : 11076562 Diagnosed : 20 Jun 2024 - Elizabeth Valachovic US 20736 Test Package : DF-5 (Additional Tests: API, Cetane, Fuel, PrtCount, Screen ) Contact: LESLIE SNURR Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. LSNURR@KGE.COM \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (410)257-5225 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (410)257-5227

Contact/Location: LESLIE SNURR - KELOWI