

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.



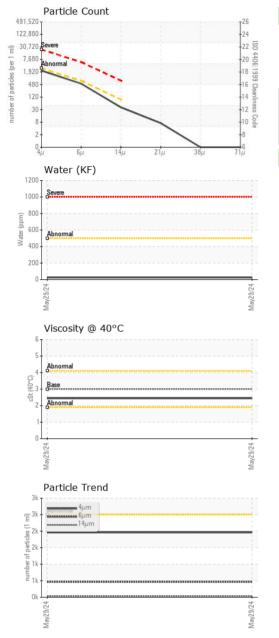
Sample Rating Trend



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