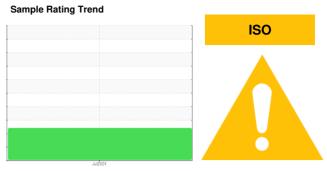


# **FUEL REPORT**

# [PMI3283684] 150KW3325-0214

Tank Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW 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 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. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample.

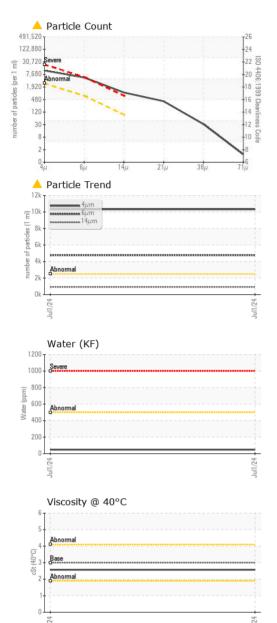
#### **Fuel Condition**

Sulfur value derived by ASTM D5453 method for ULSD validation.

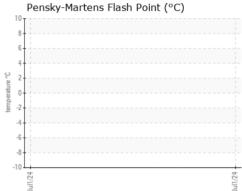
) ( GAL)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		DC0036969		
Sample Date		Client Info		01 Jul 2024		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROF	PERTIES	method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L5.0		
Visc @ 40°C	cSt	ASTM D445	3.0	2.57		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	1122		
Sulfur (UVF)	ppm	ASTM D5453		1132		
IGNITION QUALI	TY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	34.8		
CONTAMINANTS	6	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	<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 CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>2500	<b>10320</b>		
Particles >6µm		ASTM D7647	>640	<b>4764</b>		
Particles >14μm		ASTM D7647	>80	<u>4</u> 914		
Particles >21µm		ASTM D7647	>20	<b>△</b> 349		
Particles >38μm		ASTM D7647	>4	<u>^</u> 28		
Particles >71μm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<u> </u>		
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		0		
Nickel	ppm	ASTM D5185m		0		
Lead	ppm	ASTM D5185m	<0.1	0		
Vanadium	ppm	ASTM D5185m	<0.1	0		
Iron	ppm	ASTM D5185m	<0.1	<1		
Calcium	ppm	ASTM D5185m	<0.1	0		
Magnesium	ppm	ASTM D5185m	<0.1	0		
Phosphorus	ppm	ASTM D5185m	<0.1	0		
Zinc	ppm	ASTM D5185m	< 0.1	0		



# **FUEL REPORT**











Certificate 12367

Laboratory

**Sample No.** : DC0036969 Lab Number : 06236713

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** 

: 15 Jul 2024 : 18 Jul 2024

: 18 Jul 2024 - Elizabeth Valachovic

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

Unique Number : 11125547 Diagnosed US 20736 Test Package: DF-5 (Additional Tests: API, Cetane, Fuel, PrtCount, Screen) Contact: LESLIE SNURR To discuss this sample report, contact Customer Service at 1-800-237-1369. LSNURR@KGE.COM T: (410)257-5225

\* - 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)

F: (410)257-5227 Contact/Location: LESLIE SNURR - KELOWI