

### **FUEL REPORT**

Sample Rating Trend

# ISO

Machine Id

# TANK 1 - FALKENBURG RD SPECTRUM

Tank Diesel Fuel Fluid DIESEL FUEL No. 2 (--- GAL)

#### DIAGNOSIS

#### A Recommendation

We advise that you filter this fluid before use. All laboratory tests indicate that this sample meets specifications for No.2 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. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible.

#### **Fuel Condition**

Sulfur value derived by ASTM D5453 method for ULSD validation.

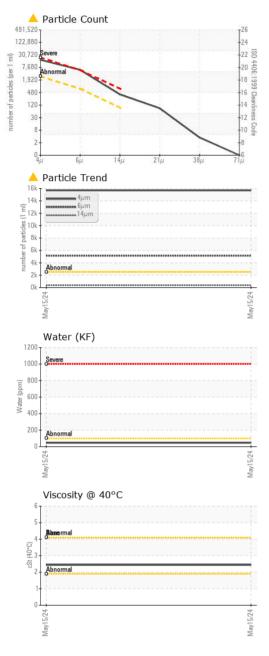
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0937958		
Sample Date		Client Info		15 May 2024		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445	4.1	2.44		
SULFUR CONTEN	T	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		24		
Sulfur (UVF)	ppm	ASTM D5453		30		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	nnm	ASTM D5185m	<1.0	<1		
Sodium	ppm ppm	ASTM D5185m	<0.1	<1		
Potassium		ASTM D5185m	<0.1	< 1 0		
Water	ppm %	ASTM D5185m ASTM D6304	<0.1	0.004		
ppm Water	ppm	ASTM D6304	<500	46		
% 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	🔺 15684		
Particles >6µm		ASTM D7647	>640	<u> </u>		
Particles >14µm		ASTM D7647	>80	<b>A</b> 341		
Particles >21µm		ASTM D7647	>20	<mark>/</mark> 75		
Particles >38µm		ASTM D7647	>4	3		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>A</b> 21/20/16		
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		
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image

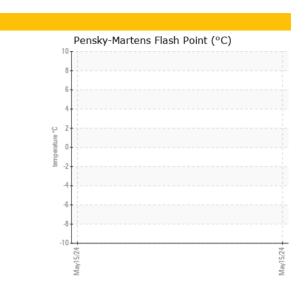
ntact/Location: GREG GORKEN - AGRPALFL Page 1 of 2



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GRAPHS





AGRILAND FS, INC Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0937958 Received : 20 May 2024 3321 LANDING PLACE Lab Number : 06185692 Tested : 24 May 2024 PALM HARBOR, FL Unique Number : 11037018 Diagnosed : 24 May 2024 - Doug Bogart US 34684 Test Package : DF-5 (Additional Tests: Screen) Contact: GREG GORKEN Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. ggorken@agrilandfs.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Contact/Location: GREG GORKEN - AGRPALFL Page 2 of 2