

# **FUEL REPORT**

834 - WASHINGTOND OPTIMUM 2

Component **Diesel Fuel** 

**DIESEL FUEL No. 1 (--- GAL)** 

# Sample Rating Trend

**NORMAL** 

### Recommendation

No corrective action is recommended at this time. 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 moderate amount of silt (particulates < 14 microns in size) present in the fuel. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible.

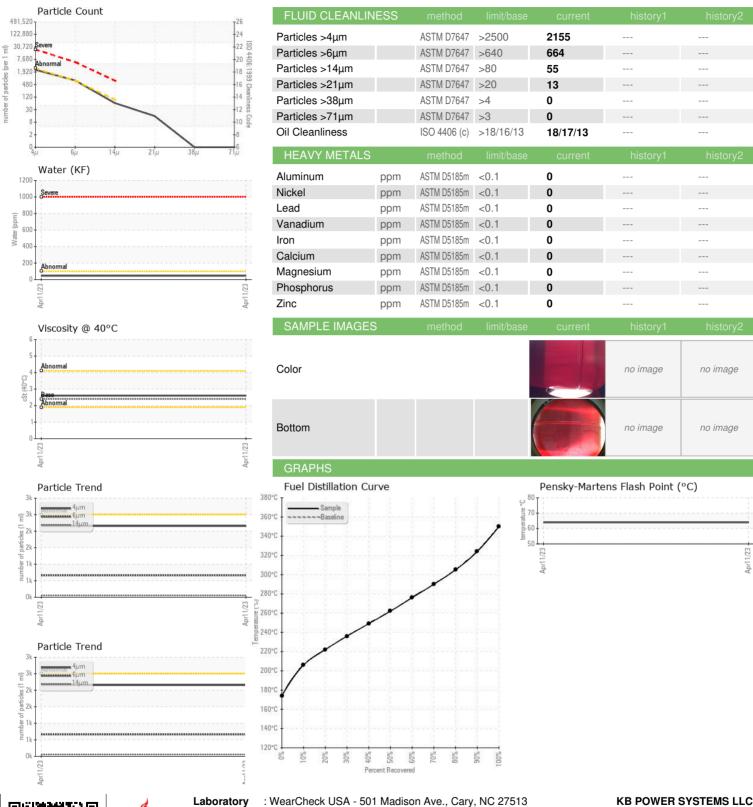
## **Fuel Condition**

Sulfur value derived by ASTM D5453 method for ULSD validation.

				Apr2023		
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0798139		
Sample Date		Client Info		11 Apr 2023		
Machine Age	hrs	Client Info		0		
Sample Status	1113	Oliciti IIIIo		NORMAL		
•						
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.847		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	2.4	2.6		
Pensky-Martens Flash Point	°C	*PMCC Calculated		64		
SULFUR CONTE	NΤ	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		238		
Sulfur (UVF)	ppm	ASTM D5453		512		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		174		
5% Distillation Point	°C	ASTM D86		197		
10% Distill Point	°C	ASTM D86		206		
15% Distillation Point	°C	ASTM D86		214		
20% Distill Point	°C	ASTM D86		222		
30% Distill Point	°C	ASTM D86		236		
40% Distill Point	°C	ASTM D86		249		
50% Distill Point	°C	ASTM D86		262		
60% Distill Point	°C	ASTM D86		276		
70% Distill Point	°C	ASTM D86		290		
80% Distill Point	°C	ASTM D86		305		
85% Distillation Point	°C	ASTM D86		314		
90% Distill Point	°C	ASTM D86		324		
95% Distillation Point	°C	ASTM D86		340		
Final Boiling Point	°C	ASTM D86		350		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.4		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		35.6		
Cetane Index		ASTM D4737	<40.0	46.5		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	<0.1	0		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	< 0.05	0.004		
ppm Water	ppm	ASTM D6304	<500	45.7		
% Gasoline	%	*In-House	< 0.50	0.0		
9/ Pindianal	0/	*In House	-20.0	0.0		



# **FUEL REPORT**







Laboratory Sample No.

: WC0798139 Lab Number : 05833381

Unique Number: 10446874

Received **Tested** Diagnosed : 28 Apr 2023

: 09 May 2023 : 12 May 2023 - Doug Bogart

Test Package: DF-2 (Additional Tests: Screen)

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)

**KB POWER SYSTEMS LLC** 

738 Old Buies Creek Rd Lillington, NC US 27546

Contact: DWAYNE REGISTER dwayne@kbpowersystemsnc.com

T: (919)577-9136

F:

Contact/Location: DWAYNE REGISTER - KBPHOL