

FUEL REPORT

SLS 39 - 1559 COACHMAN WAY

Component **Diesel Fuel**

{not provided} (--- GAL)





DIAGNOSIS

Recommendation

Recommend pre-filtering before use. 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

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.

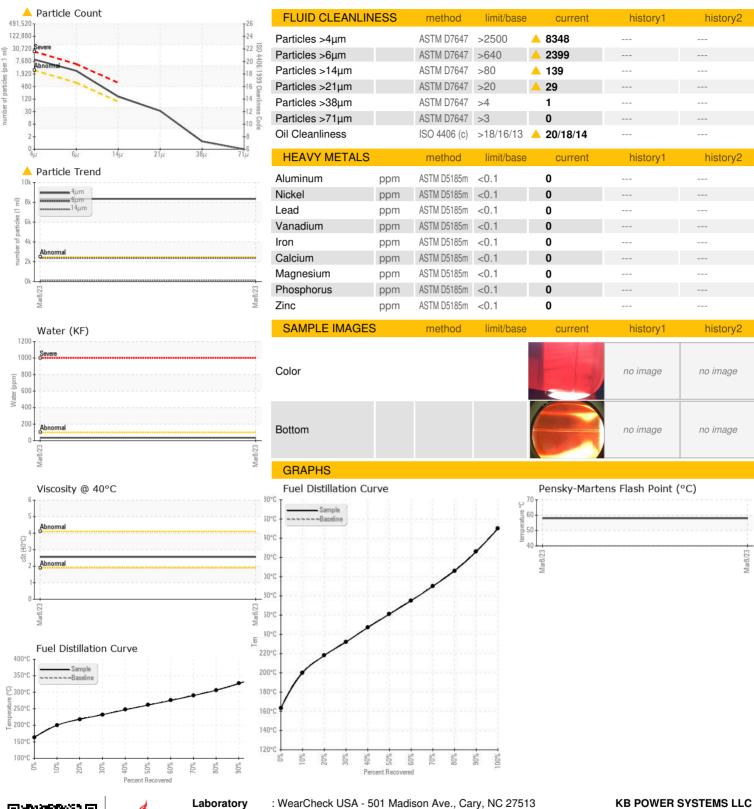
Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

			1	Mar2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0798115		
Sample Date		Client Info		08 Mar 2023		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
	LITTIES		IIIIII/Dase			HISTOLYZ
Specific Gravity		*ASTM D1298		0.841		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L3.5 2.56		
Visc @ 40°C	cSt °C	*PMCC Calculated		2.50 58		
Pensky-Martens Flash Point				50		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5453		9		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		163		
5% Distillation Point	°C	ASTM D86		189		
10% Distill Point	°C	ASTM D86		200		
15% Distillation Point	°C	ASTM D86		209		
20% Distill Point	°C	ASTM D86		218		
30% Distill Point	°C	ASTM D86		232		
40% Distill Point	°C	ASTM D86		247		
50% Distill Point	°C	ASTM D86		261		
60% Distill Point	°C	ASTM D86		275		
70% Distill Point	°C	ASTM D86		290		
80% Distill Point	°C	ASTM D86		306		
85% Distillation Point	°C	ASTM D86		315		
90% Distill Point	°C	ASTM D86		326		
95% Distillation Point	°C	ASTM D86		342		
Final Boiling Point	°C	ASTM D86		350		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.6		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		36.8		
Cetane Index		ASTM D4737	<40.0	48.1		
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	0.003		
ppm Water	ppm	ASTM D6304	< 500	35.2		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	1.2		



FUEL REPORT





ANAB ACCREDITED TESTING LABORATORY

Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: WC0798115 : 05833363 r : 10446856

5 Recieved
Diagnosed

Diagnosed : 09 May 2023 **Diagnostician** : Doug Bogart

: 28 Apr 2023

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)

738 Old Buies Creek Rd

Lillington, NC US 27546

Contact: DWAYNE REGISTER dwayne@kbpowersystemsnc.com

T: (919)577-9136 F: