

FUEL REPORT

Sample Rating Trend



SLS 52

Component Diesel Fuel Fluid {not provided} (--- GAL)

DIAGNOSIS

A 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.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0798100		
Sample Date		Client Info		21 Mar 2023		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.838		
Fuel Color	text	*Visual Screen		Yllow		
ASTM Color	scalar	*ASTM D1500		L1.0		
Visc @ 40°C	cSt	ASTM D445		2.25		
Pensky-Martens Flash Point	°C	*PMCC Calculated		59		
SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5453		8		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		164		
5% Distillation Point	°C	ASTM D86		189		
10% Distill Point	°C	ASTM D86		198		
15% Distillation Point	°C	ASTM D86		205		
20% Distill Point	°C	ASTM D86		212		
30% Distill Point	°C	ASTM D86		225		
40% Distill Point	°C	ASTM D86		239		
50% Distill Point	°C	ASTM D86		253		
60% Distill Point	°C	ASTM D86		269		
70% Distill Point	°C	ASTM D86		286		
80% Distill Point	°C	ASTM D86		305		
85% Distillation Point	°C	ASTM D86		315		
90% Distill Point	°C	ASTM D86		325		
95% Distillation Point	°C	ASTM D86		340		
Final Boiling Point	°C	ASTM D86		349		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.6		
IGNITION QUALI	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		37.4		
Cetane Index		ASTM D4737	<40.0	47.9		
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	0.005		
ppm Water	ppm	ASTM D6304	<500	51.2		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	4.3		

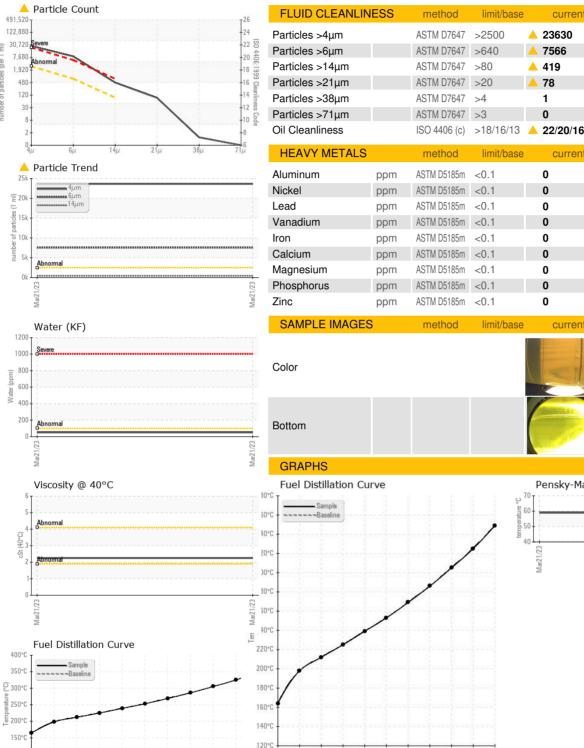


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history1

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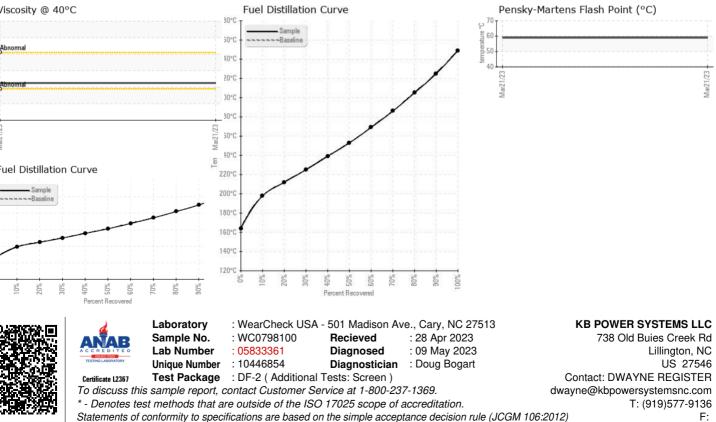
current

current

history2

historv2

history2



Contact/Location: DWAYNE REGISTER - KBPHOL