

### **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		

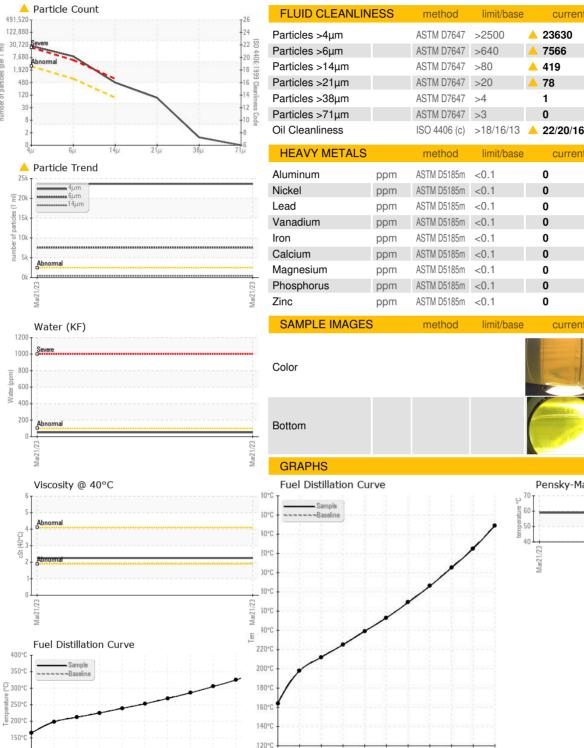


Î

number of particles (per 1

10

## FUEL REPORT



no image no image no image no image

history1

history1

historv1

current

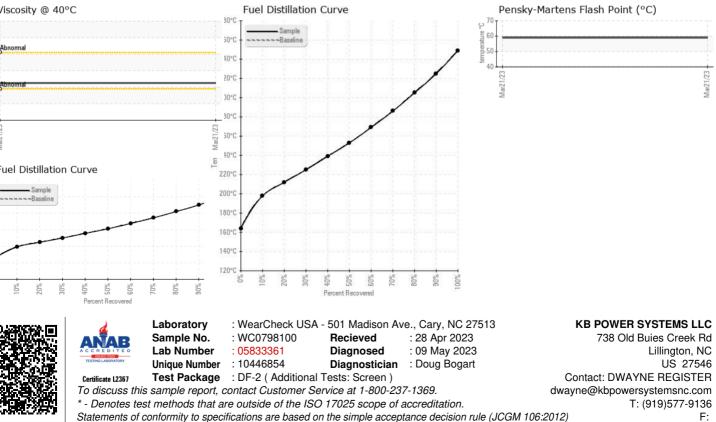
current

current

history2

historv2

history2



Contact/Location: DWAYNE REGISTER - KBPHOL