

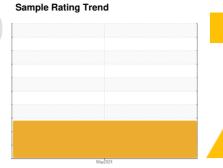
# **FUEL REPORT**

KIOTI DK5510 TP8800053

Diesel Fuel

Machine Id

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- QTS)





### DIAGNOSIS

### Recommendation

We advise that you filter this fluid before use. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

All metal levels are normal indicating no corrosion in the system.

## Contaminants

There is a high amount of particulates present in the fuel. Light concentration of visible dirt/debris present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample.

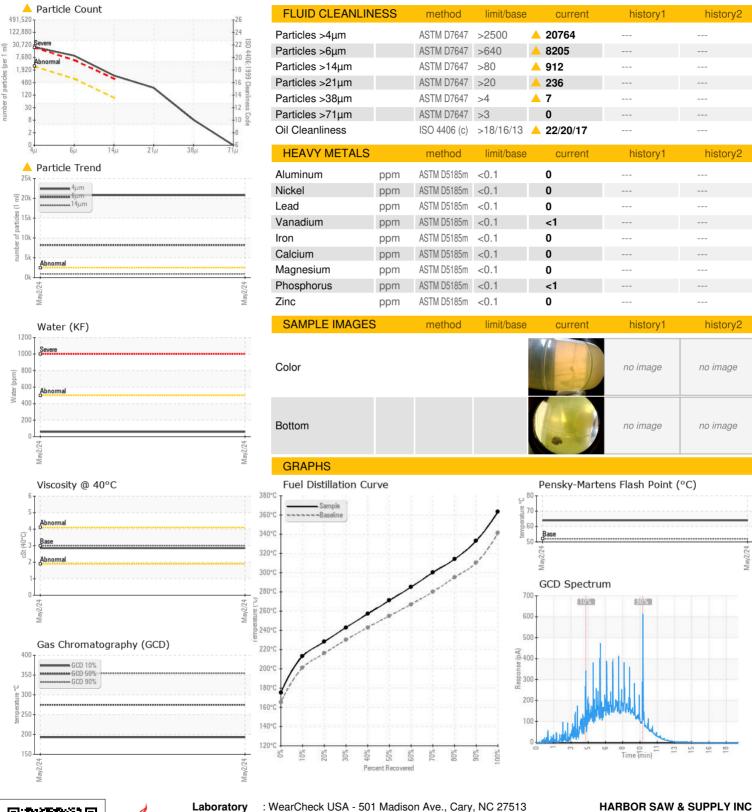
### **Fuel Condition**

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

, ( 4.5)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KT0000897		
Sample Date		Client Info		02 May 2024		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Yllow		
ASTM Color	scalar	*ASTM D1500		L3.0		
Visc @ 40°C	cSt	ASTM D445	3.0	2.85		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	64		
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		9		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	175		
5% Distillation Point	°C	ASTM D86		203		
10% Distill Point	°C	ASTM D86	201	213		
15% Distillation Point	°C	ASTM D86		220		
20% Distill Point	°C	ASTM D86	216	228		
30% Distill Point	°C	ASTM D86	230	243		
40% Distill Point	°C	ASTM D86	243	257		
50% Distill Point	°C	ASTM D86	255	271		
60% Distill Point	°C	ASTM D86	267	285		
70% Distill Point	°C	ASTM D86	280	300		
80% Distill Point	°C	ASTM D86	295	314		
85% Distillation Point	°C	ASTM D86		324		
90% Distill Point	°C	ASTM D86	310	333		
95% Distillation Point	°C	ASTM D86		349		
Final Boiling Point	°C	ASTM D86	341	363		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	33		
Cetane Index		ASTM D4737	<40.0	44		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1		
Sodium	ppm	ASTM D5185m	< 0.1	2		
Potassium	ppm	ASTM D5185m	<0.1	<1		
Water	%	ASTM D6304	< 0.05	0.005		
ppm Water	ppm	ASTM D6304	<500	58		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	3.7		



## **FUEL REPORT**







Certificate 12367

Laboratory Sample No.

: KT0000897

Lab Number : 06194894 Unique Number : 11057017

Diagnosed Test Package : DF-2 (Additional Tests: Fuel, 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)

Received

**Tested** 

: 29 May 2024

: 12 Jun 2024

: 12 Jun 2024 - Doug Bogart

**HARBOR SAW & SUPPLY INC** 

2211 W FIRST ST ABERDEEN, WA US 98520

Contact: JARED L. jaredl@harborsaw.com

T: (360)532-4600