

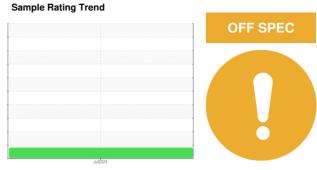
# **FUEL REPORT**

Machine Id

# KIOTI CK2610 YL9501486

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUR



#### Recommendation

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

The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the fuel.

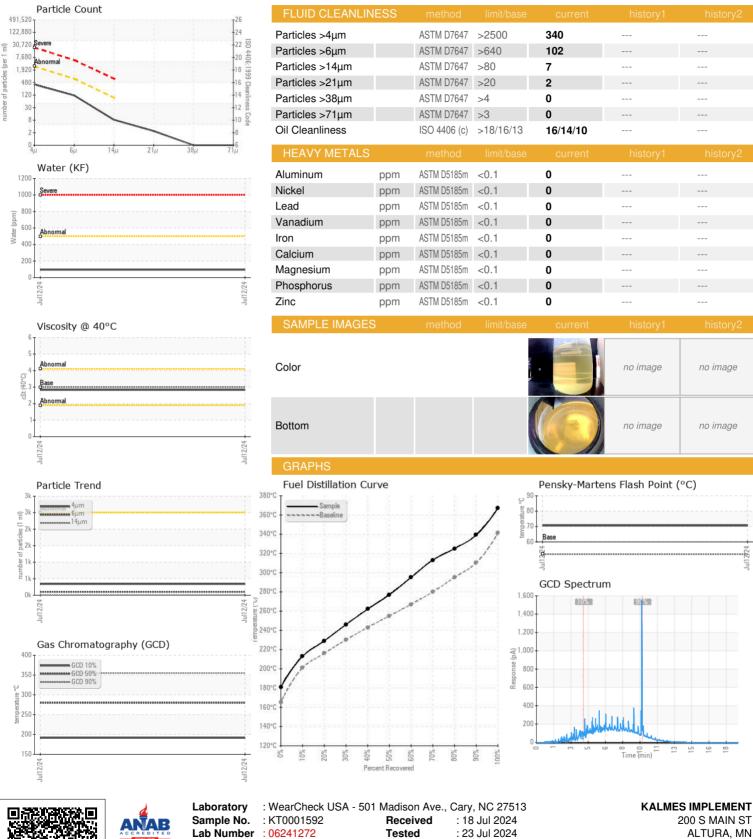
### Fuel Condition

The bio-diesel content is higher than normal. Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

N ( OAL)						
R) ( GAL)				Jul2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KT0001592		
Sample Date		Client Info		12 Jul 2024		
Machine Age	hrs	Client Info		67		
Sample Status				ATTENTION		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.856		
Fuel Color	text	*Visual Screen	Yllow	Yllow		
ASTM Color	scalar	*ASTM D1500		L3.0		
Visc @ 40°C	cSt	ASTM D445	3.0	2.83		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	70.6		
SULFUR CONTE	NΤ	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		7		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	181		
5% Distillation Point	°C	ASTM D86		204		
10% Distill Point	°C	ASTM D86	201	213		
15% Distillation Point	°C	ASTM D86		221		
20% Distill Point	°C	ASTM D86	216	229		
30% Distill Point	°C	ASTM D86	230	246		
40% Distill Point	°C	ASTM D86	243	262		
50% Distill Point	°C	ASTM D86	255	277		
60% Distill Point	°C	ASTM D86	267	295		
70% Distill Point	°C	ASTM D86	280	313		
80% Distill Point	°C	ASTM D86	295	325		
85% Distillation Point	°C	ASTM D86		332		
90% Distill Point	°C	ASTM D86	310	339		
95% Distillation Point	°C	ASTM D86		351		
Final Boiling Point	°C	ASTM D86	341	367		
IGNITION QUALIT	Υ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	33		
Cetane Index		ASTM D4737	<40.0	46		
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	0		
Water	%	ASTM D6304	< 0.05	0.009		
ppm Water	ppm	ASTM D6304	<500	95		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	<b>13.5</b>		



## **FUEL REPORT**





Certificate 12367

Lab Number : 06241272

Unique Number : 11130106 Test Package : DF-2 (Additional Tests: Fuel, Screen)

**Tested** Diagnosed

: 23 Jul 2024

: 23 Jul 2024 - Elizabeth Valachovic

US 55910 Contact: COLLIN COLLIN@KALMESIMPLEMENT.COM

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:

F: