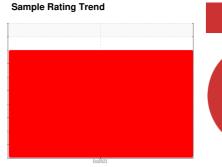


# **FUEL REPORT**

# KIOTI CX2510H-1 YA2U00498

Component **Diesel Fuel** 

**NOT GIVEN (--- GAL)** 





## DIAGNOSIS

### Recommendation

We advise that you follow the water drain-off procedure for this component. We recommend you service and check the fuel filters for mucous-like deposits. Check with fuel supplier for biocides available to destroy the microorganisms in the fuel system. We were unable to perform a particle count due to a high concentration of particles and water present in this sample.

### Corrosion

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

### Contaminants

Excessive free water present. There is a light concentration of Bacteria, Yeast and/or Fungus present in the sample. Moderate concentration of visible dirt/debris present in the fuel.

### **Fuel Condition**

The fuel is no longer serviceable due to the presence of contaminants. Sulfur value derived by ASTM D5453 method for ULSD validation.

				Oct2022		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KT0000221		
Sample Date		Client Info		14 Oct 2022		
Machine Age	hrs	Client Info		1		
Sample Status	1110			SEVERE		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.827		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445		2.56		
Pensky-Martens Flash Point	°C	*PMCC Calculated		64		
•				04		
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		21		
Sulfur (UVF)	ppm	ASTM D5453		20		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		168		
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		234		
40% Distill Point	°C	ASTM D86		249		
50% Distill Point	°C	ASTM D86		263		
60% Distill Point	°C	ASTM D86		277		
70% Distill Point	°C	ASTM D86		292		
80% Distill Point	°C	ASTM D86		308		
85% Distillation Point	°C	ASTM D86		318		
90% Distill Point	°C	ASTM D86		331		
95% Distillation Point	°C	ASTM D86		350		
Final Boiling Point	°C	ASTM D86		361		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.4		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		39.6		
Cetane Index		ASTM D4737	<40.0	54.3		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	2		
Sodium	ppm	ASTM D5185m	<0.1	0		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	< 0.05	0.014		
ppm Water	ppm	ASTM D6304	<500	141.3		
% Gasoline	%	*In-House	< 0.50	0.0		

0.0

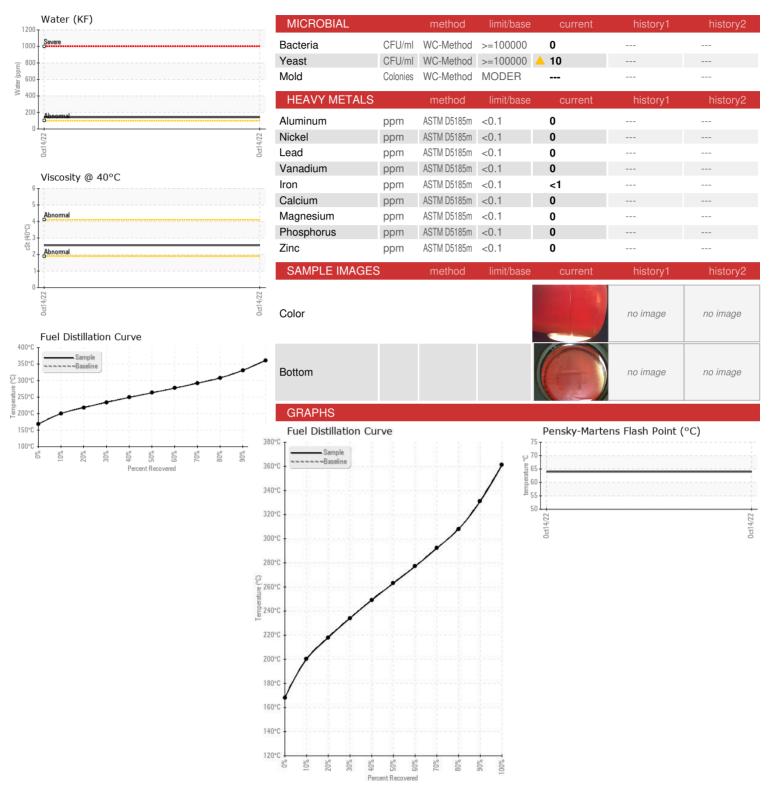
% Biodiesel

%

\*In-House <20.0



# **FUEL REPORT**





Laboratory Sample No. Lab Number Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: 05671238 : 10180808

: KT0000221 Received : 19 Oct 2022 Diagnosed : 26 Oct 2022 Diagnostician : Doug Bogart

Test Package : DF-2 (Additional Tests: Bacteria, 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)

THE TOOL SHACK 4370 GULF BREEZE PKWY GULF BREEZE, FL

US 32563 Contact: FRED

fred3570@yahoo.com T: (850)934-1700

F:

Contact/Location: FRED - TOOGUL