

# **FUEL REPORT**

# KIOTI CK4010 VR000051

Component **Diesel Fuel** 

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





### **DIAGNOSIS**

#### Recommendation

We advise that you filter this fluid before use. All laboratory tests indicate that this sample meets specifications for No.2 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.

				Oct2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KT0000605		
Sample Date		Client Info		10 Oct 2023		
Machine Age	hrs	Client Info		150		
Sample Status				ATTENTION		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.852		
Fuel Color	text	*Visual Screen		Yllow		
ASTM Color	scalar	*ASTM D1500		L2.0		
Visc @ 40°C	cSt	ASTM D445		2.72		
Pensky-Martens Flash Point	°C	*PMCC Calculated		61		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		18		
Sulfur (UVF)	ppm	ASTM D5453		18		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		168		
5% Distillation Point	°C	ASTM D86		192		
10% Distill Point	°C	ASTM D86		203		
15% Distillation Point		ASTM D86		212		
20% Distill Point	°C	ASTM D86		220		
30% Distill Point	°C	ASTM D86		236		
40% Distill Point	°C	ASTM D86		251		
50% Distill Point	°C	ASTM D86		264		
60% Distill Point	°C	ASTM D86		279		
70% Distill Point	°C	ASTM D86		295		
80% Distill Point	°C	ASTM D86		313		
85% Distillation Point	°C	ASTM D86		323		
90% Distill Point	°C	ASTM D86		334		
95% Distillation Point	°C	ASTM D86		351		
Final Boiling Point	°C	ASTM D86		360		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.9		
IGNITION QUALIT	ΙΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	10.5	34.6		
Cetane Index		ASTM D4737	<40.0	44.9		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	< 0.1	2		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	< 0.05	0.004		
ppm Water	ppm	ASTM D6304	< 500	42.3		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	4.9		



## **FUEL REPORT**





Laboratory Sample No. Lab Number **Unique Number** 

: KT0000605 : 05993925

: 10722285

Received : 30 Oct 2023 Diagnosed

: 03 Nov 2023 Diagnostician : Doug Bogart

Test Package : DF-2 ( Additional Tests: Screen ) Certificate L2367 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)

LTTM - LARRY'S TRACTORS TRAILERS & MORE

1094 S 1ST ST HAMILTON, MT US 59840

Contact: SERVICE MANAGER Ittmllchamilton@gmail.com

T: (406)363-7027