

## **FUEL REPORT**

# KIOTI NX5010 VX13-00004

Component **Diesel Fuel** 

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

# Sample Rating Trend **NORMAL**

#### 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**

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

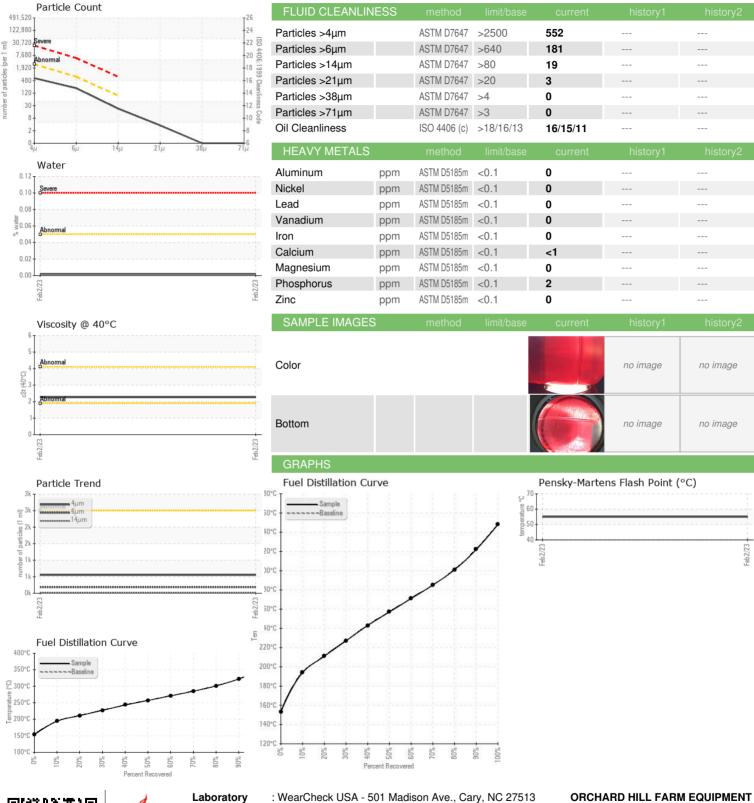
#### **Fuel Condition**

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

				Feb 2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KT0000310		
Sample Date		Client Info		02 Feb 2023		
Machine Age	hrs	Client Info		428		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.831		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445		2.26		
Pensky-Martens Flash Point	°C	*PMCC Calculated		55		
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		40		
Sulfur (UVF)	ppm	ASTM D5453		8		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		153		
5% Distillation Point	°C	ASTM D86		183		
10% Distill Point	°C	ASTM D86		194		
15% Distillation Point	°C	ASTM D86		202		
20% Distill Point	°C	ASTM D86		211		
30% Distill Point	°C	ASTM D86		227		
40% Distill Point	°C	ASTM D86		243		
50% Distill Point	°C	ASTM D86		257		
60% Distill Point	°C	ASTM D86		271		
70% Distill Point	°C	ASTM D86		285		
80% Distill Point	°C	ASTM D86		301		
85% Distillation Point	°C	ASTM D86		311		
90% Distill Point	°C	ASTM D86		322		
95% Distillation Point	°C	ASTM D86		339		
Final Boiling Point	°C	ASTM D86		348		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.7		
IGNITION QUALIT	ГҮ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		38.8		
Cetane Index		ASTM D4737	<40.0	50.9		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	<0.1	<1		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	< 0.05	0.002		
ppm Water	ppm	ASTM D6304	<500	18.2		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



### **FUEL REPORT**







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

: KT0000310 : 05760310 : 10324917

Received : 06 Feb 2023 : 09 Feb 2023 Diagnosed

Diagnostician : Doug Bogart Test Package : DF-2 ( Additional Tests: 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)

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