

# **FUEL REPORT**

## Sample Rating Trend

# **NORMAL**

Machine Id

# KIOTI CK3510SKHST YJJ801161

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUF

### 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. There is no indication of any contamination in the fuel. The amount and size of particulates present in the system are acceptable.

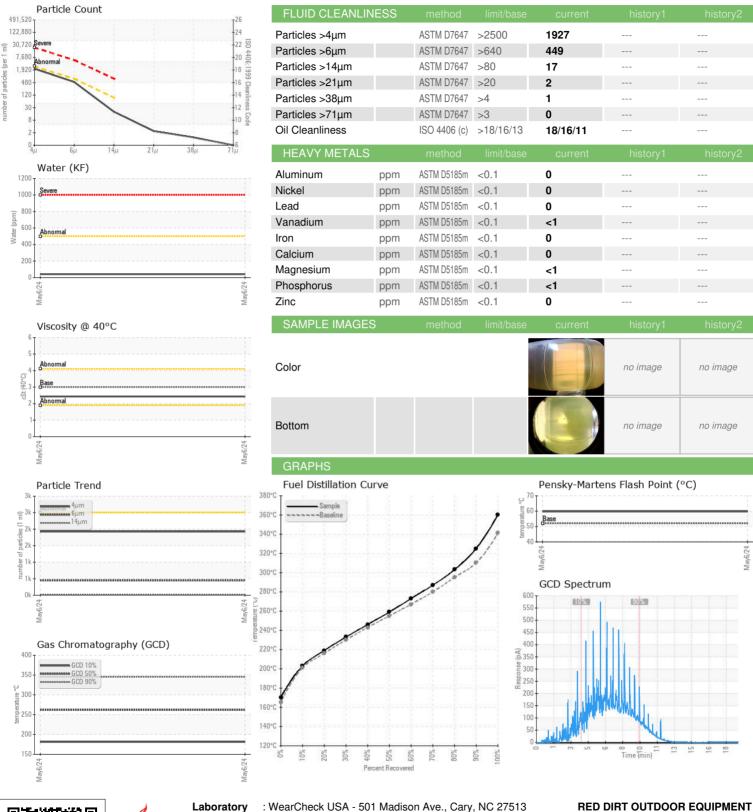
### **Fuel Condition**

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

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) ( GAL)				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KT0001491		
Sample Date		Client Info		06 May 2024		
Machine Age	hrs	Client Info		488		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Yllow		
ASTM Color	scalar	*ASTM D1500		L2.5		
Visc @ 40°C	cSt	ASTM D445	3.0	2.43		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	59.8		
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	7		
Sulfur (UVF)	ppm	ASTM D5453		12		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	170		
5% Distillation Point	°C	ASTM D86		193		
10% Distill Point	°C	ASTM D86	201	203		
15% Distillation Point	°C	ASTM D86		211		
20% Distill Point	°C	ASTM D86	216	219		
30% Distill Point	°C	ASTM D86	230	233		
40% Distill Point	°C	ASTM D86	243	246		
50% Distill Point	°C	ASTM D86	255	259		
60% Distill Point	°C	ASTM D86	267	273		
70% Distill Point	°C	ASTM D86	280	287		
80% Distill Point	°C	ASTM D86	295	303		
85% Distillation Point	°C	ASTM D86		314		
90% Distill Point	°C	ASTM D86	310	325		
95% Distillation Point	°C	ASTM D86		345		
Final Boiling Point	°C	ASTM D86	341	360		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36		
Cetane Index		ASTM D4737	<40.0	48		
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	0.004		
ppm Water	ppm	ASTM D6304	<500	41		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



# **FUEL REPORT**







Laboratory

Sample No.

: KT0001491 Lab Number : 06178274 Unique Number : 11029600

Diagnosed

Received

**Tested** 

: 13 May 2024

: 04 Jun 2024

: 04 Jun 2024 - Doug Bogart

Test Package : DF-2 (Additional Tests: Fuel, Screen) Certificate 12367

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.

4909 US 90 E MARIANNA, FL US 32448

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Contact: S. BROUGHTON sbroughton@reddirtequipment.com

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

Report Id: REDMAR [WUSCAR] 06178274 (Generated: 06/05/2024 10:14:14) Rev: 1

Contact/Location: S. BROUGHTON - REDMAR