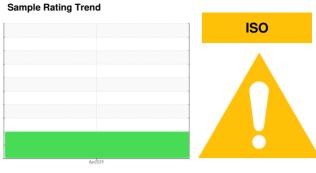


# **FUEL REPORT**

# {UNASSIGNED} **KIOTI WY8200039**

**Diesel Fuel** 

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)



### **DIAGNOSIS**

#### Recommendation

We advise that you filter this fluid before use. 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 a high amount of particulates present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample.

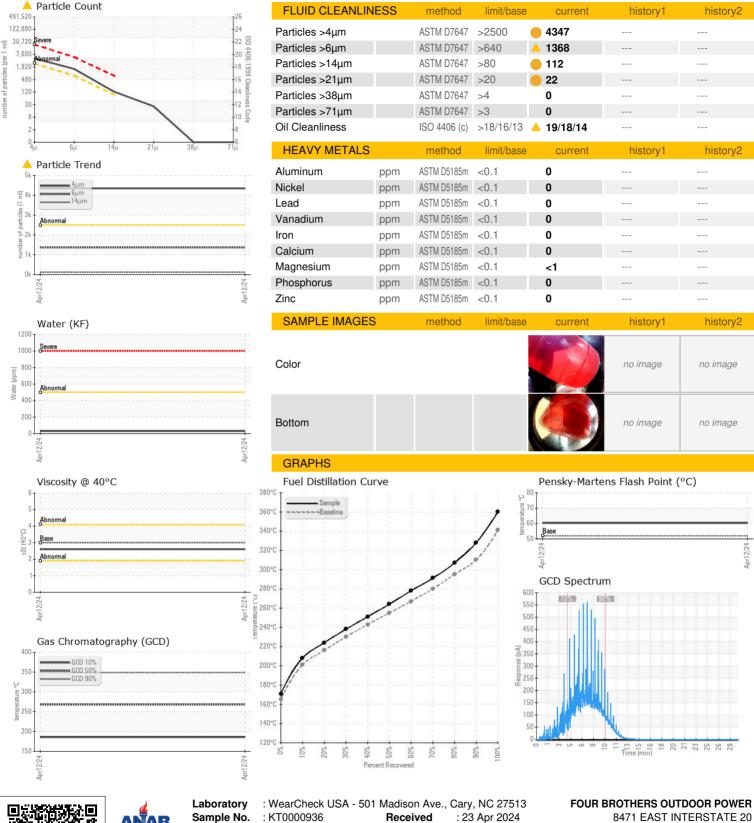
#### **Fuel Condition**

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KT0000936		
Sample Date		Client Info		12 Apr 2024		
Machine Age	hrs	Client Info		53		
Sample Status				ABNORMAL		
PHYSICAL PROP	<b>ERTIES</b>	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L5.5		
Visc @ 40°C	cSt	ASTM D445	3.0	2.6		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	60.3		
SULFUR CONTENT method			limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	3		
Sulfur (UVF)	ppm	ASTM D5453		12		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	171		
5% Distillation Point	°C	ASTM D86		197		
10% Distill Point	°C	ASTM D86	201	208		
15% Distillation Point	°C	ASTM D86		216		
20% Distill Point	°C	ASTM D86	216	224		
30% Distill Point	°C	ASTM D86	230	238		
40% Distill Point	°C	ASTM D86	243	251		
50% Distill Point	°C	ASTM D86	255	264		
60% Distill Point	°C	ASTM D86	267	278		
70% Distill Point	°C	ASTM D86	280	291		
80% Distill Point	°C	ASTM D86	295	307		
85% Distillation Point	°C	ASTM D86		317		
90% Distill Point	°C	ASTM D86	310	328		
95% Distillation Point	°C	ASTM D86		346		
Final Boiling Point	°C	ASTM D86	341	360		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37		
Cetane Index		ASTM D4737	<40.0	50		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	<0.1	0		
Potassium	ppm	ASTM D5185m	< 0.1	<1		
Water	%	ASTM D6304	< 0.05	0.003		
ppm Water	ppm	ASTM D6304	< 500	30		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



## **FUEL REPORT**







Certificate 12367

Sample No.

Lab Number : 06158666 Unique Number: 10994089

: KT0000936

Received **Tested** 

: 06 May 2024 Diagnosed Test Package : DF-2 (Additional Tests: Fuel, Screen)

: 06 May 2024 - Doug Bogart

TERRELL, TX US 75161

Contact: TRAVIS RICHARDSON travis@fourbros.com T: (972)563-6880

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)