

# **FUEL REPORT**

# KIOTI DK6010JE VGG700091

Component **Diesel Fuel** 

OFF-ROAD (--- GAL)





## **DIAGNOSIS**

#### 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 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.

			[	Dec2022		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KT0000299		
Sample Date		Client Info		19 Dec 2022		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	FRTIES	method	limit/base	current	history1	history2
		*ASTM D1298		0.829		
Specific Gravity Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D1300		2.37		
Pensky-Martens Flash Point	°C	*PMCC Calculated		58		
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SULFUR CONTER	VI	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		11		
Sulfur (UVF)	ppm	ASTM D5453		20		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		158		
5% Distillation Point	°C	ASTM D86		180		
10% Distill Point	°C	ASTM D86		189		
15% Distillation Point	°C	ASTM D86		199		
20% Distill Point	°C	ASTM D86		206		
30% Distill Point	°C	ASTM D86		223		
40% Distill Point	°C	ASTM D86		240		
50% Distill Point	°C	ASTM D86		258		
60% Distill Point	°C	ASTM D86		275		
70% Distill Point	°C	ASTM D86		293		
80% Distill Point	°C	ASTM D86		312		
85% Distillation Point	°C	ASTM D86		322		
90% Distill Point	°C	ASTM D86		334		
95% Distillation Point		ASTM D86		351		
Final Boiling Point	°C	ASTM D86		360		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.9		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		39.2		
Cetane Index		ASTM D4737	<40.0	51.5		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	4		
Sodium	ppm	ASTM D5185m	<0.1	0		
Potassium	ppm	ASTM D5185m	<0.1	<1		
Water	%	ASTM D6304	< 0.05	0.004		
ppm Water	ppm	ASTM D6304	< 500	45.7		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



# **FUEL REPORT**





Laboratory Sample No. Lab Number

: KT0000299

: 05734397 Unique Number: 10283995

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received **Tested** Diagnosed

: 09 Jan 2023 : 12 Jan 2023

: 13 Jan 2023 - Doug Bogart Test Package: DF-2 (Additional Tests: Screen)

2105 E BYPASS CENTRE, AL US 35960

Contact: SERVICE MANAGER thetractorplace@tds.net

\* - 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)

F:

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