

FUEL REPORT

KIOTI VR8000121

Component **Diesel Fuel**

{not provided} (--- GAL)

Sample Rating Trend



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.

				Feb 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KT0000980		
Sample Date		Client Info		20 Feb 2024		
Machine Age	hrs	Client Info		59		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
	LITTILO		IIIIII/Dase		TilStory	HISTOLYZ
Specific Gravity		*ASTM D1298		0.848		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445		2.66		
Pensky-Martens Flash Point	°C	*PMCC Calculated		59		
SULFUR CONTER	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		169		
Sulfur (UVF)	ppm	ASTM D5453		133		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		165		
5% Distillation Point	°C	ASTM D86		197		
10% Distill Point	°C	ASTM D86		209		
15% Distillation Point	°C	ASTM D86		218		
20% Distill Point	°C	ASTM D86		226		
30% Distill Point	°C	ASTM D86		240		
40% Distill Point	°C	ASTM D86		253		
50% Distill Point	°C	ASTM D86		265		
60% Distill Point	°C	ASTM D86		277		
70% Distill Point	°C	ASTM D86		289		
80% Distill Point	°C	ASTM D86		303		
85% Distillation Point	°C	ASTM D86		311		
90% Distill Point	°C	ASTM D86		321		
95% Distillation Point	°C	ASTM D86		337		
Final Boiling Point	°C	ASTM D86		348		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.4		
IGNITION QUALIT	ГҮ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		35.4		
Cetane Index		ASTM D4737	<40.0	46.7		
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	0		
Water	%	ASTM D6304	< 0.05	0.003		
ppm Water	ppm	ASTM D6304	< 500	29		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



FUEL REPORT





Certificate L2367

Laboratory Sample No.

: KT0000980 Lab Number : 06100577

Tested Unique Number : 10898807 Diagnosed

: 01 Mar 2024 - Doug Bogart

Received

: 26 Feb 2024

: 01 Mar 2024

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)

TEAM TRACTOR AND EQUIPMENT

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