

### **FUEL REPORT**

### NORMAL

Machine Id

## KIOTI DK5510 VP87-00009

Diesel Fuel

Fluid ~ • • • No.2 DIESEL FUEL (ULTRALOW SULPHUR) (

#### 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**

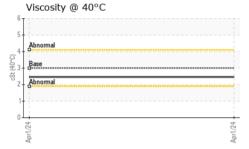
Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

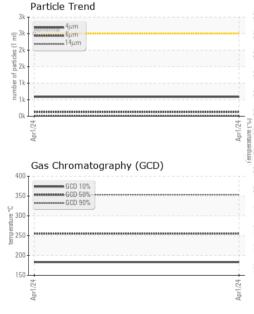
) ( GAL)				Apr2024		
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KT0000971		
Sample Date		Client Info		01 Apr 2024		
Machine Age	hrs	Client Info		365		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.0		
√isc @ 40°C	cSt	ASTM D445	3.0	2.46		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	64.4		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		6		
DISTILLATION		method	limit/base	current	history1	history2
nitial Boiling Point	°C	ASTM D86	165	175		
5% Distillation Point	°C	ASTM D86		196		
0% Distill Point	°C	ASTM D86	201	203		
5% Distillation Point	°C	ASTM D86		209		
20% Distill Point	°C	ASTM D86	216	216		
30% Distill Point	°C	ASTM D86	230	228		
10% Distill Point	°C	ASTM D86	243	241		
50% Distill Point	°C	ASTM D86	255	254		
0% Distill Point	°C	ASTM D86	267	270		
70% Distill Point	°C	ASTM D86	280	286		
30% Distill Point	°C	ASTM D86	295	305		
5% Distillation Point	°C	ASTM D86		317		
0% Distill Point	°C	ASTM D86	310	329		
95% Distillation Point	°C	ASTM D86	0.0	346		
Final Boiling Point	°C	ASTM D86	341	362		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37		
Cetane Index		ASTM D4737	<40.0	48		
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		
Vater	%	ASTM D6304	<0.05	0.007		
opm Water	ppm	ASTM D6304	<500	80		
6 Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	4.1		



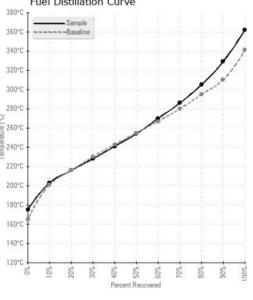
# **FUEL REPORT**

	cicle Cou	nt			
491,520					T <sup>26</sup>
122,880					-24
30,720 Severe					-22 80
7,680 Abnom	nal				-20 6
30,720 Severe 7,680 Abnom 1,920 480 120 30 8		·			-18 199
480					-16 👷
120-					-20 06:1999 Cleanliness
30-		-	-		-12 🖉
8-			1		-10 Ge
2-					-8
					0
0 4μ Wai	<sup>6µ</sup> er (KF)	14µ	21µ	38µ	71µ
Wa	ær (KF) ₽	14μ	21/µ	38µ	τίμ
Wai 1200 1000 - Seve 800 600 - Aboo	ær (KF) ₽	14μ	21µ	38µ	April24

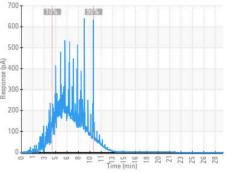




FLUID CLEANLI	NESS	method	limit/base	e current	history1	history2
Particles >4µm		ASTM D7647	>2500	586		
Particles >6µm		ASTM D7647	>640	126		
Particles >14µm		ASTM D7647	>80	26		
Particles >21µm		ASTM D7647	>20	12		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	16/14/12		
HEAVY METALS	\$	method	limit/base	e current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0		
Nickel	ppm	ASTM D5185m	<0.1	0		
Lead	ppm	ASTM D5185m	<0.1	0		
Vanadium	ppm	ASTM D5185m	<0.1	0		
Iron	ppm	ASTM D5185m	<0.1	0		
Calcium	ppm	ASTM D5185m	<0.1	0		
Magnesium	ppm	ASTM D5185m	<0.1	0		
Phosphorus	ppm	ASTM D5185m	<0.1	0		
Zinc	ppm	ASTM D5185m	<0.1	0		
SAMPLE IMAGE	S	method	limit/base	e current	history1	history2
Color					no image	no image
Bottom					no image	no image
GRAPHS						
Fuel Distillation C	urve			Pensky-Marte	ens Flash Point (	°C)
C Sample			0	80		
CBaseline			/ teat	80 70 60 Base		
c -			/ 1	60 Base		
c -		1	11	Apr1/24 05		/24
c -				Aprl		Apr1/24
V T		1.1				



### GCD Spectrum





SAN JOAQUIN TRACTOR Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KT0000971 Received 1201 S UNION AVE Sample No. : 05 Apr 2024 Lab Number : 06140763 Tested : 16 Apr 2024 BAKERSFIELD, CA Unique Number : 10965571 Diagnosed : 16 Apr 2024 - Doug Bogart US 93305 Test Package : DF-2 (Additional Tests: Fuel, Screen) Contact: FRED Jauch Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. fred@sanjoaquintractor.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (661)324-4517 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (661)324-2306

Report Id: SANBAKCA [WUSCAR] 06140763 (Generated: 04/17/2024 09:03:30) Rev: 1

Contact/Location: FRED Jauch - SANBAKCA