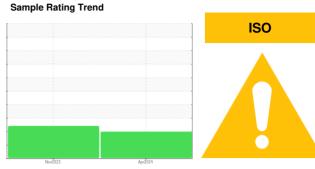


FUEL REPORT

Machine Id KIOTI NX6010 VL6000086

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. 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. Sulfur level is acceptable for ULSD specification.

R) (GAL)		<u> </u>	Nov2023	Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KT0000603	KT0000885	
Sample Date		Client Info		09 Apr 2024	10 Nov 2023	
Machine Age	hrs	Client Info		294	294	
Sample Status				ABNORMAL	ATTENTION	
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298	0.839		0.831	
Fuel Color	text	*Visual Screen	Yllow	Red	Red	
ASTM Color	scalar	*ASTM D1500		L4.0	L4.0	
Visc @ 40°C	cSt	ASTM D445	3.0	2.52	2.3	
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	60.2	57	
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	3	0	
Sulfur (UVF)	ppm	ASTM D5453		10	8	
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	173	160	
5% Distillation Point	°C	ASTM D86		192	184	
10% Distill Point	°C	ASTM D86	201	201	195	
15% Distillation Point	°C	ASTM D86		208	203	
20% Distill Point	°C	ASTM D86	216	215	211	
30% Distill Point	°C	ASTM D86	230	229	225	
40% Distill Point	°C	ASTM D86	243	242	240	
50% Distill Point	°C	ASTM D86	255	256	255	
60% Distill Point	°C	ASTM D86	267	271	269	
70% Distill Point	°C	ASTM D86	280	286	285	
80% Distill Point	°C	ASTM D86	295	302	303	
85% Distillation Point	°C	ASTM D86		313	314	
90% Distill Point	°C	ASTM D86	310	325	327	
95% Distillation Point	°C	ASTM D86	0.44	344	346	
Final Boiling Point	°C	ASTM D86	341	358	357	
Distillation Residue Distillation Loss	%	ASTM D86 ASTM D86	3.0		1.4 0.3	
IGNITION QUALIT		method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	38	38.8	
Cetane Index		ASTM D7777	<40.0	50 51	50.6	
CONTAMINANTS		method	limit/base			history2
				current	history1	
Silicon	ppm	ASTM D5185m	<1.0	<1	0	
Sodium	ppm	ASTM D5185m	<0.1	<1	0	
Potassium Water	ppm %	ASTM D6304	<0.1	0 0.002	<1 0.003	
ppm Water		ASTM D6304 ASTM D6304	<500	20	27.4	
% Gasoline	ppm %	*In-House	<0.50	0.0	0.0	
% Gasonne % Biodiesel	%	*In-House	<20.0	0.0	0.0	
76 DIQUIESEI	70	III-mouse	<20.0	U.U	0.0	



FUEL REPORT







Certificate 12367

Sample No.

Lab Number : 06149745

: KT0000603 Unique Number : 10979823

Tested Diagnosed

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

: 30 Apr 2024 - Doug Bogart

: 30 Apr 2024

F:

ROSE BUD, AR

Contact: Service Manager

US 72137

T: