

### **FUEL REPORT**

Sample Rating Trend

#### NORMAL

# KIOTI RX7320 VW15000178

Tank Diesel Fuel Fluid NOT GIVEN (--- 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 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.

				Aug2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KT0000634		
Sample Date		Client Info		10 Aug 2023		
Machine Age	hrs	Client Info		721		
Sample Status				NORMAL		
		and the set	Presidente en el		la facta a su af	h lata m O
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.847		
Fuel Color	text	*Visual Screen		Yllow		
ASTM Color	scalar	*ASTM D1500		L1.5		
Visc @ 40°C	cSt	ASTM D445		2.5		
Pensky-Martens Flash Point	°C	*PMCC Calculated		57		
SULFUR CONTEI	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5453		10		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		160		
5% Distillation Point	°C	ASTM D86		187		
10% Distill Point	°C	ASTM D86		200		
15% Distillation Point	°C	ASTM D86		210		
20% Distill Point	°C	ASTM D86		218		
30% Distill Point	°C	ASTM D86		233		
40% Distill Point	°C	ASTM D86		247		
50% Distill Point	°C	ASTM D86		261		
60% Distill Point	°C	ASTM D86		274		
70% Distill Point	°C	ASTM D86		288		
80% Distill Point	°C	ASTM D86		304		
85% Distillation Point	°C	ASTM D86		313		
90% Distill Point	°C	ASTM D86		325		
95% Distillation Point	°C	ASTM D86		343		
Final Boiling Point	°C	ASTM D86		354		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.8		
IGNITION QUALI	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		35.6		
Cetane Index		ASTM D4737	<40.0	45.9		
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	35.9		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



Particle Count

## **FUEL REPORT**

1124       Particles > 4µm       ASTM 07647       >22500       1546          124       Particles > 4µm       ASTM 07647       >2260       513          124       Particles > 4µm       ASTM 07647       >20       53          124       Particles > 4µm       ASTM 07647       >20       12          124       Particles > 38µm       ASTM 07647       >20       12          124       Particles > 38µm       ASTM 07647       >30          124       Particles > 38µm       ASTM 07647       >30          124       Particles > 38µm       ASTM 07647       >30          124       Particles > 38µm       ASTM 07647       >30       0          124       Particles > 38µm       ASTM 07647       >30       0          124       Particles > 38µm       ASTM 07647       >30       0          124       Particles > 38µm       ASTM 051556       -0.1       0          124       Particles > 38µm       Particles > 38µm       Particles > 38µm       Particles > 38µm       0          126       Parti	
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Particles S71 µm ASTM D768 (r) >18/16/13 UI Cleanliness ISO 4406 (r) >18/16/13 18/16/16/16/13 18/16/16/16 18/16/16/16 1	
Viscosity @ 40°C       Viscosity @ 40°C     SAMPLE IMAGES     Imit base     Current     histor       01     0             01     0             01     0             01     0      0           01     0      0      0        01     0      0       0        01     0      0      0        02     0      0      0        03     0      0      0        04     0      0      0        05     0.1     0      0      0        04     0      0      0         04     0      0      0         05     0     0      0 <th></th>	
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Fuel Distillation Curve	Aug 10/23
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Puer Distillation Curve 220°C 250°C 200°C 200°C 180°C 180°C 200°C 180°C 200°C	
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250°C 160°C	
140°C - 140°C	
150°C	
100°C + + + + + + + + + + + + + + + + + + +	
Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 KE Sample No. : KT0000634 Received : 14 Aug 2023 1995 WALTON Lab Number : 05924613 Diagnosed : 25 Aug 2023 IN Unique Number : 10604560 Diagnostician : Doug Bogart Test Package : DF-2 (Additional Tests: Screen ) Contact: . 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.	

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