



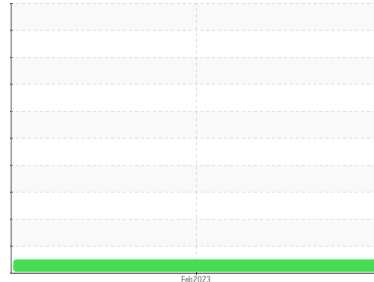
# FUEL REPORT

Sample Rating Trend

**NORMAL**



Area  
**{UNASSIGNED}**  
 Machine Id  
**KIOTI PX1153 Kioti (S/N SX9700008)**  
 Component  
**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. ( Customer Sample Comment: Need diesel fuel sample done )

### Corrosion

All metal levels are normal indicating no corrosion in the system.

### Contaminants

There is no Bacteria, Yeast and/or Fungus 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.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>KT0000224</b>	---	---
Sample Date	Client Info		<b>10 Feb 2023</b>	---	---
Machine Age	hrs	Client Info	<b>1563</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## PHYSICAL PROPERTIES

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		<b>0.825</b>	---	---
Fuel Color	text *Visual Screen		<b>Yellow</b>	---	---
ASTM Color	scalar *ASTM D1500		<b>2.0</b>	---	---
Visc @ 40°C	cSt ASTM D445		<b>2.57</b>	---	---
Pensky-Martens Flash Point	°C *PMCC Calculated		<b>62</b>	---	---

## SULFUR CONTENT

	method	limit/base	current	history1	history2
Sulfur	ppm ASTM D5185m		<b>0</b>	---	---
Sulfur (UVF)	ppm ASTM D5453		<b>6</b>	---	---

## DISTILLATION

	method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	<b>170</b>	---	---
5% Distillation Point	°C	ASTM D86	<b>194</b>	---	---
10% Distill Point	°C	ASTM D86	<b>207</b>	---	---
15% Distillation Point	°C	ASTM D86	<b>216</b>	---	---
20% Distill Point	°C	ASTM D86	<b>225</b>	---	---
30% Distill Point	°C	ASTM D86	<b>240</b>	---	---
40% Distill Point	°C	ASTM D86	<b>254</b>	---	---
50% Distill Point	°C	ASTM D86	<b>268</b>	---	---
60% Distill Point	°C	ASTM D86	<b>280</b>	---	---
70% Distill Point	°C	ASTM D86	<b>293</b>	---	---
80% Distill Point	°C	ASTM D86	<b>307</b>	---	---
85% Distillation Point	°C	ASTM D86	<b>315</b>	---	---
90% Distill Point	°C	ASTM D86	<b>325</b>	---	---
95% Distillation Point	°C	ASTM D86	<b>341</b>	---	---
Final Boiling Point	°C	ASTM D86	<b>349</b>	---	---
Distillation Residue	%	ASTM D86	<b>1.4</b>	---	---
Distillation Loss	%	ASTM D86	<b>0.9</b>	---	---

## IGNITION QUALITY

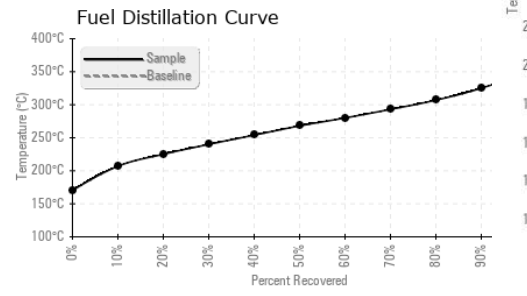
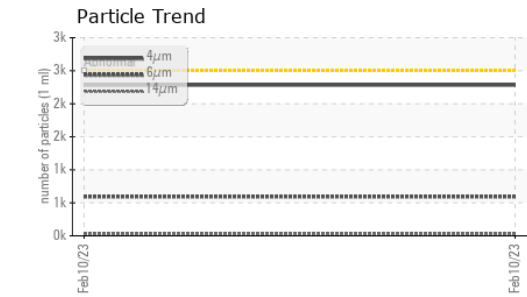
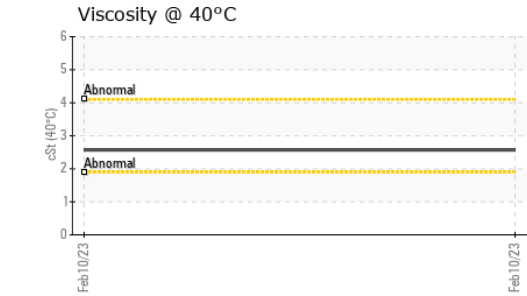
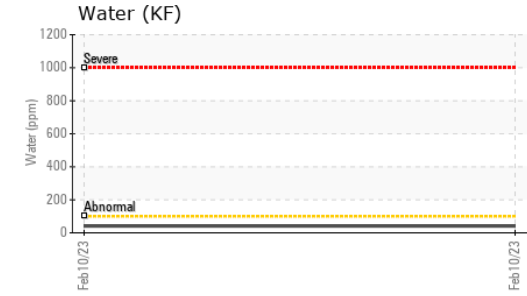
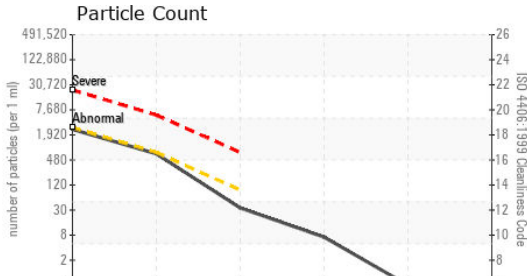
	method	limit/base	current	history1	history2
API Gravity	ASTM D7777		<b>40.0</b>	---	---
Cetane Index	ASTM D4737	<40.0	<b>56.4</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m <1.0	<b>0</b>	---	---
Sodium	ppm	ASTM D5185m <0.1	<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185m <0.1	<b>0</b>	---	---
Water	%	ASTM D6304 <0.05	<b>0.004</b>	---	---
ppm Water	ppm	ASTM D6304 <500	<b>41.1</b>	---	---
% Gasoline	%	*In-House <0.50	<b>0.0</b>	---	---
% Biodiesel	%	*In-House <20.0	<b>0.0</b>	---	---

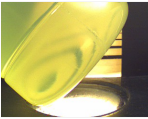
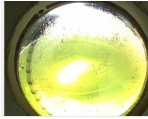


# FUEL REPORT

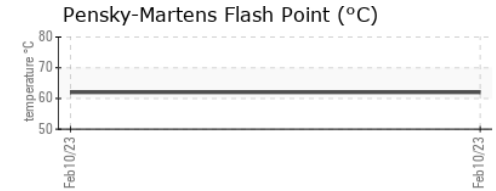
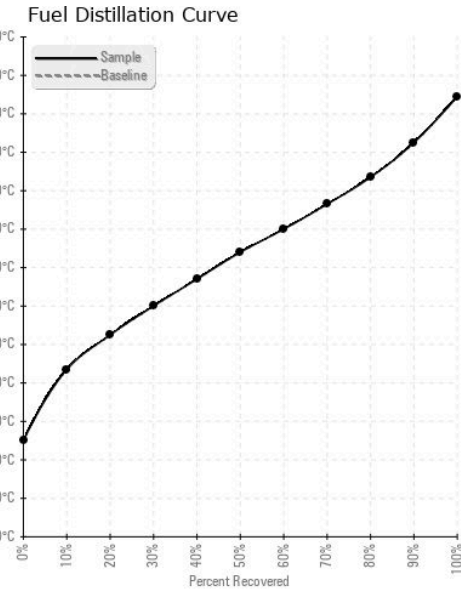


FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	<b>2283</b>	---	---
Particles >6µm	ASTM D7647	>640	<b>594</b>	---	---
Particles >14µm	ASTM D7647	>80	<b>30</b>	---	---
Particles >21µm	ASTM D7647	>20	<b>6</b>	---	---
Particles >38µm	ASTM D7647	>4	<b>0</b>	---	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	<b>18/16/12</b>	---	---

HEAVY METALS	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m <0.1	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m <0.1	<b>0</b>	---	---
Lead	ppm	ASTM D5185m <0.1	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m <0.1	<b>0</b>	---	---
Iron	ppm	ASTM D5185m <0.1	<b>0</b>	---	---
Calcium	ppm	ASTM D5185m <0.1	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m <0.1	<b>0</b>	---	---
Phosphorus	ppm	ASTM D5185m <0.1	<b>3</b>	---	---
Zinc	ppm	ASTM D5185m <0.1	<b>0</b>	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KT0000224 **Received** : 15 Feb 2023  
**Lab Number** : **05769123** **Diagnosed** : 20 Feb 2023  
**Unique Number** : 10338731 **Diagnostician** : Doug Bogart  
**Test Package** : DF-2 ( Additional Tests: Screen )

**PAIGE TRACTORS INC**  
 4409 HWY 290E  
 PAIGE, TX  
 US 78659  
 Contact: J BAKALBAS  
 jbakalbas@yahoo.com  
 T:  
 F:

Certificate L2367  
 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)