

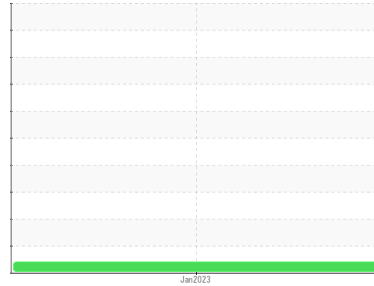


# FUEL REPORT

Sample Rating Trend

VIS DEBRIS

Area  
**[20225676]**  
 Machine Id  
**Kohler 2141 K St Generator**  
 Component  
**Diesel Fuel**  
 Fluid  
**NOT GIVEN (--- GAL)**



## DIAGNOSIS

### Recommendation

Recommend pre-filter before use. All laboratory tests indicate that this sample meets specifications for No.2 diesel fuel, low sulfur. We were unable to perform a particle count due to a high concentration of particles present in this sample. ( Customer Sample Comment: 2141 K St 125Kw fuel sample )

### Corrosion

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

### Contaminants

Moderate concentration of visible dirt/debris present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. No other contaminants were detected in the fuel.

### Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>DC0014131</b>	---	---
Sample Date	Client Info	<b>03 Jan 2023</b>	---	---
Machine Age	mths Client Info	<b>0</b>	---	---
Sample Status		<b>ATTENTION</b>	---	---

## PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
ASTM Color	scalar *ASTM D1500	<b>L4.5</b>	---	---
Visc @ 40°C	cSt ASTM D445	<b>2.6</b>	---	---

## SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm ASTM D5185m	<b>164</b>	---	---
Sulfur (UVF)	ppm ASTM D5453	<b>213</b>	---	---

## IGNITION QUALITY

method	limit/base	current	history1	history2
API Gravity	ASTM D7777	<b>35.6</b>	---	---

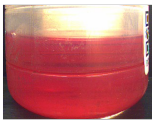

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m <1.0	<b>4</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>0.005</b>	---	---
ppm Water	ppm ASTM D6304 <500	<b>54.3</b>	---	---
% Gasoline	% *In-House <0.50	<b>0.0</b>	---	---
% Biodiesel	% *In-House <20.0	<b>0.0</b>	---	---

## HEAVY METALS

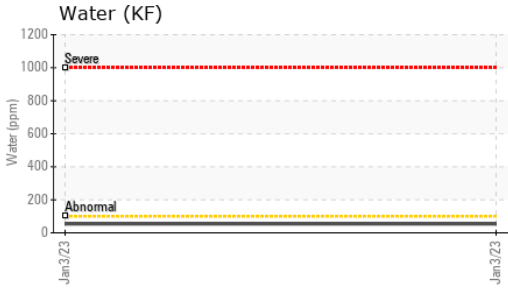
method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185m <0.1	<b>0</b>	---	---
Nickel	ppm ASTM D5185m <0.1	<b>0</b>	---	---
Lead	ppm ASTM D5185m <0.1	<b>0</b>	---	---
Vanadium	ppm ASTM D5185m <0.1	<b>0</b>	---	---
Iron	ppm ASTM D5185m <0.1	<b>&lt;1</b>	---	---
Calcium	ppm ASTM D5185m <0.1	<b>0</b>	---	---
Magnesium	ppm ASTM D5185m <0.1	<b>0</b>	---	---
Phosphorus	ppm ASTM D5185m <0.1	<b>28</b>	---	---
Zinc	ppm ASTM D5185m <0.1	<b>3</b>	---	---

## SAMPLE IMAGES

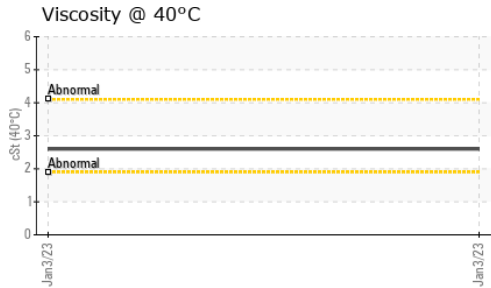
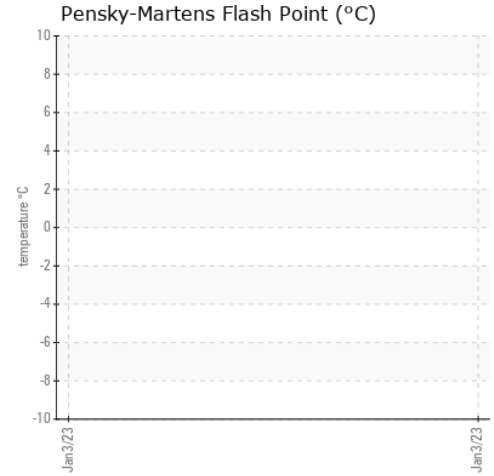
method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image



# FUEL REPORT



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DC0014131 **Received** : 19 Jan 2023  
**Lab Number** : **05744359** **Diagnosed** : 31 Jan 2023  
**Unique Number** : 10298958 **Diagnostician** : Doug Bogart  
**Test Package** : DF-5 ( Additional Tests: API, Cetane, 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)

**JE RICHARDS**  
 4600 HARGROVE DR  
 LANHAM, MD  
 US 20706  
 Contact: E. NOEL  
 enoel@phalconusa.com  
 T: (240)623-4398  
 F: