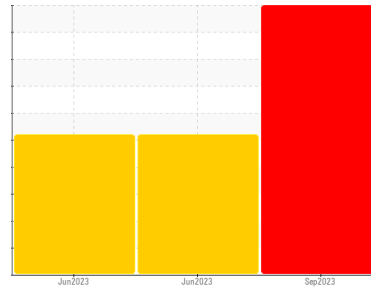




# FUEL REPORT

Sample Rating Trend



VISUAL METAL



Machine Id  
**20-77**

Component  
**Diesel Fuel**  
Fluid

**OFF ROAD DIESEL (--- GAL)**

## DIAGNOSIS

### Recommendation

Recommend drain fuel if not already done and flush before refilling with fuel.

### Corrosion

Moderate concentration of visible metal present.

### Contaminants

Moderate concentration of visible dirt/debris present in the fuel. There is a high concentration of water present in the fuel. There is a light concentration of water present in the fuel.

### Fuel Condition

Gasoline present in the fuel is lowering the viscosity. The fuel is no longer serviceable due to the presence of contaminants.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	<b>WC0750361</b>	WC0750363	WC0750362	
Sample Date	Client Info	<b>17 Sep 2023</b>	16 Jun 2023	15 Jun 2023	
Machine Age	hrs	Client Info	<b>5054</b>	5054	5054
Sample Status		<b>SEVERE</b>	SEVERE	SEVERE	

## PHYSICAL PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	<b>▲ 1.17</b>	▲ 1.2	▲ 0.91

## SULFUR CONTENT

method	limit/base	current	history1	history2	
Sulfur	ppm	ASTM D5185m	<b>17</b>	15	26

## CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	<1.0	<b>0</b>	<1
Sodium	ppm	ASTM D5185m	<0.1	<b>2</b>	2
Potassium	ppm	ASTM D5185m	<0.1	<b>0</b>	0
Water	%	ASTM D6304	<0.05	<b>▲ 0.077</b>	▲ 0.065
ppm Water	ppm	ASTM D6304	<500	<b>▲ 774.9</b>	▲ 659.2
% Gasoline	%	*In-House	<0.50	<b>● 34.4</b>	● 29.2
% Biodiesel	%	*In-House	<20.0	<b>0.0</b>	0.0

## HEAVY METALS

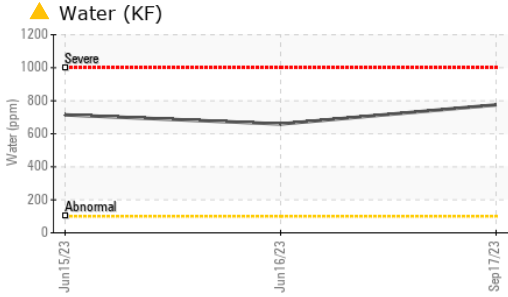
method	limit/base	current	history1	history2	
Aluminum	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	<1
Nickel	ppm	ASTM D5185m	<0.1	<b>0</b>	0
Lead	ppm	ASTM D5185m	<0.1	<b>0</b>	0
Vanadium	ppm	ASTM D5185m	<0.1	<b>0</b>	0
Iron	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	0
Calcium	ppm	ASTM D5185m	<0.1	<b>0</b>	0
Magnesium	ppm	ASTM D5185m	<0.1	<b>0</b>	0
Phosphorus	ppm	ASTM D5185m	<0.1	<b>3</b>	2
Zinc	ppm	ASTM D5185m	<0.1	<b>0</b>	0

## SAMPLE IMAGES

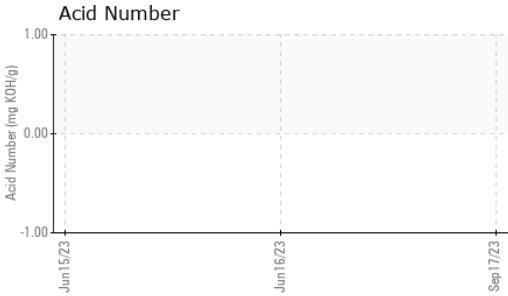
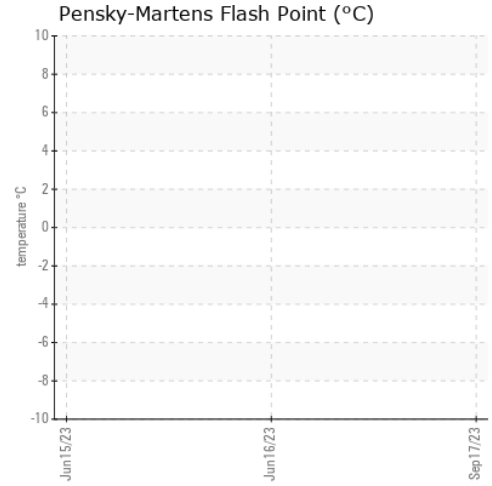
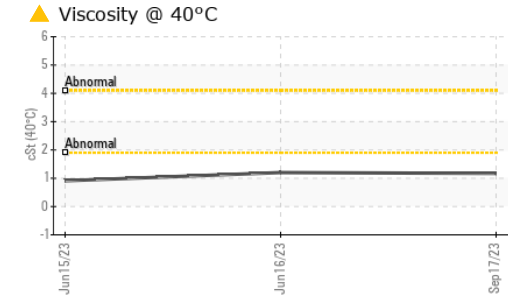
method	limit/base	current	history1	history2
Color				
Bottom				



# FUEL REPORT



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0750361 **Received** : 25 Sep 2023  
**Lab Number** : 05960255 **Diagnosed** : 02 Oct 2023  
**Unique Number** : 10661468 **Diagnostician** : Doug Bogart  
**Test Package** : DF-5 ( Additional Tests: 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)

**MANHATTAN ROAD AND BRIDGE**  
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