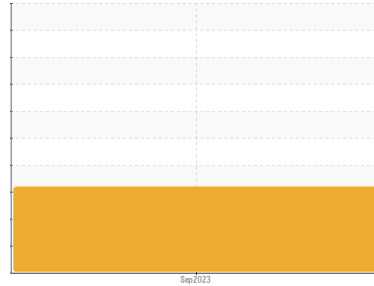


# PROBLEM SUMMARY

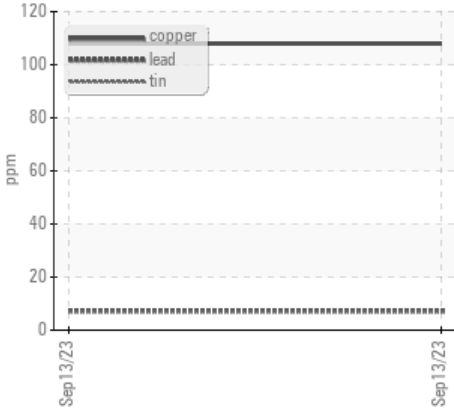
Sample Rating Trend



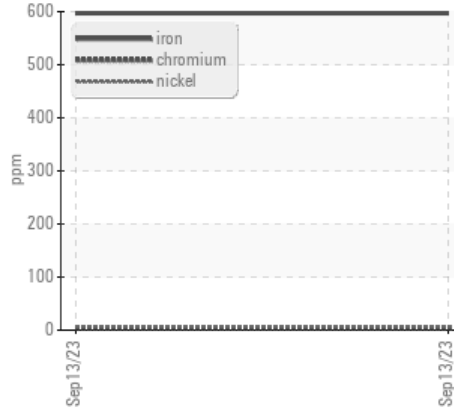
Machine Id  
**2026878**  
Component  
**Front Differential**  
Fluid  
**NOT GIVEN (--- QTS)**

## COMPONENT CONDITION SUMMARY

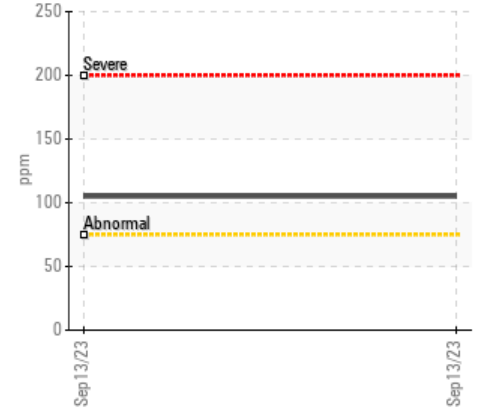
### ▲ Non-ferrous Metals



### ▲ Ferrous Alloys



### ▲ Silicon (ppm)



## RECOMMENDATION

No corrective action is recommended at this time.  
Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	---	---
Iron	ppm	ASTM D5185m	>500	▲ 597	---	---
Copper	ppm	ASTM D5185m	>100	▲ 108	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 105	---	---

Customer Id: PERLEWNC  
Sample No.: PCA0103987  
Lab Number: 05954357  
Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Jonathan Hester +1 919-379-4092 x4092  
[jhester@wearcheckusa.com](mailto:jhester@wearcheckusa.com)

To change component or sample information:  
Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

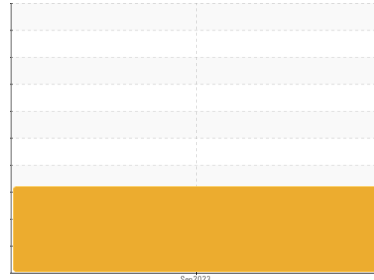
## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**2026878**  
 Component  
**Front Differential**  
 Fluid  
**NOT GIVEN (--- QTS)**

## DIAGNOSIS

- ▲ **Recommendation**  
 No corrective action is recommended at this time. Resample at the next service interval to monitor.
- ▲ **Wear**  
 Bearing and/or gear wear is indicated.
- ▲ **Contamination**  
 Elemental level of silicon (Si) above normal indicating ingress of seal material.
- ▲ **Fluid Condition**  
 The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0103987</b>	---	---
Sample Date	Client Info	<b>13 Sep 2023</b>	---	---
Machine Age	mls Client Info	<b>314875</b>	---	---
Oil Age	mls Client Info	<b>314875</b>	---	---
Oil Changed	Client Info	<b>Not Chngd</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>500	▲ <b>597</b>	---	---
Chromium ppm ASTM D5185m	>10	<b>5</b>	---	---
Nickel ppm ASTM D5185m	>10	<b>7</b>	---	---
Titanium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Silver ppm ASTM D5185m		<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>25	<b>3</b>	---	---
Lead ppm ASTM D5185m	>25	<b>7</b>	---	---
Copper ppm ASTM D5185m	>100	▲ <b>108</b>	---	---
Tin ppm ASTM D5185m	>10	<b>7</b>	---	---
Vanadium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Cadmium ppm ASTM D5185m		<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		<b>157</b>	---	---
Barium ppm ASTM D5185m		<b>0</b>	---	---
Molybdenum ppm ASTM D5185m		<b>&lt;1</b>	---	---
Manganese ppm ASTM D5185m		<b>17</b>	---	---
Magnesium ppm ASTM D5185m		<b>0</b>	---	---
Calcium ppm ASTM D5185m		<b>10</b>	---	---
Phosphorus ppm ASTM D5185m		<b>1340</b>	---	---
Zinc ppm ASTM D5185m		<b>0</b>	---	---
Sulfur ppm ASTM D5185m		<b>25056</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>75	▲ <b>105</b>	---	---
Sodium ppm ASTM D5185m		<b>10</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>2</b>	---	---

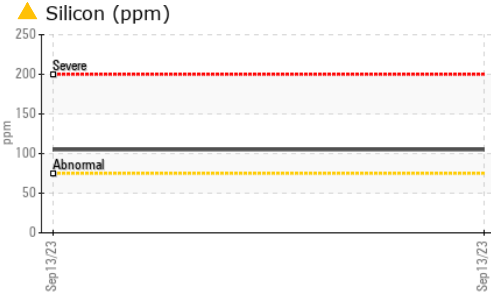
## VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Yellow Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Precipitate scalar *Visual	NONE	<b>NONE</b>	---	---
Silt scalar *Visual	NONE	<b>NONE</b>	---	---
Debris scalar *Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt scalar *Visual	NONE	<b>NONE</b>	---	---
Appearance scalar *Visual	NORML	<b>NORML</b>	---	---
Odor scalar *Visual	NORML	<b>NORML</b>	---	---
Emulsified Water scalar *Visual	>.2	<b>NEG</b>	---	---
Free Water scalar *Visual		<b>NEG</b>	---	---

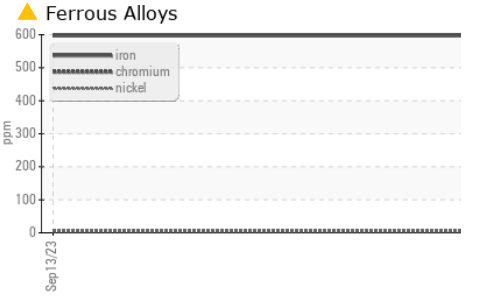
## FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445		<b>100</b>	---	---

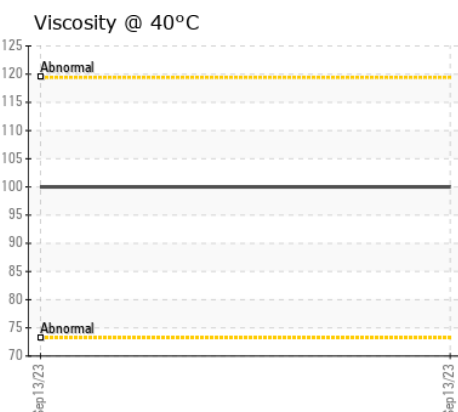
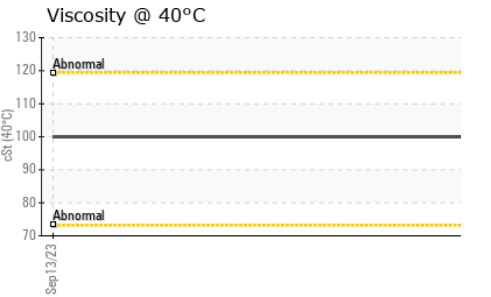
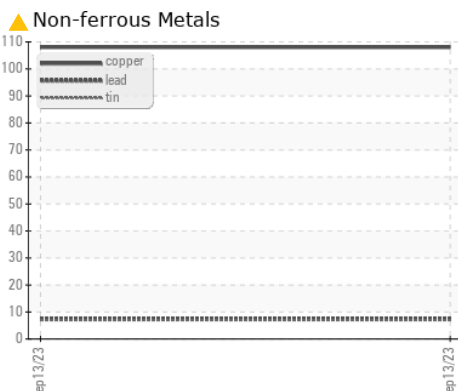
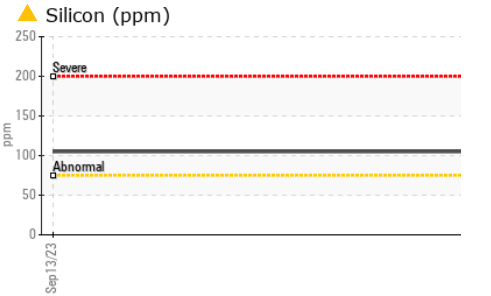
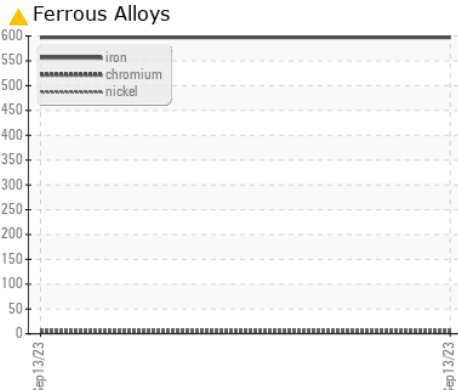
# OIL ANALYSIS REPORT



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



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0103987 **Received** : 18 Sep 2023  
**Lab Number** : 05954357 **Diagnosed** : 20 Sep 2023  
**Unique Number** : 10655570 **Diagnostician** : Jonathan Hester  
**Test Package** : FLEET

**PERDUE FARMS - Lewiston**  
 210 GRIFFINS QUARTER RD  
 LEWISTON, NC  
 US 27849  
 Contact: NELSON WALLACE  
 nelson.wallace2@perdue.com

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)