

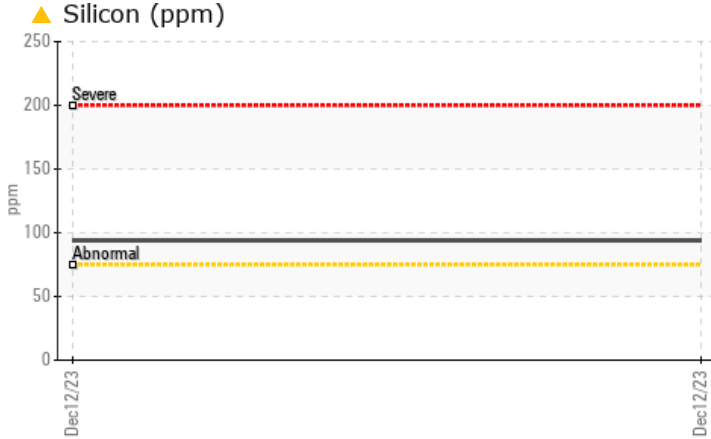
# PROBLEM SUMMARY

Sample Rating Trend



Machine Id  
**NOT GIVEN PCA0081427 (S/N NO INFO ON SIF/BOTTLE)**  
 Component  
**Front Differential**  
 Fluid  
**GEAR OIL SAE 75W90 (--- QTS)**

## COMPONENT CONDITION SUMMARY



## 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>	---	---
Silicon	ppm	ASTM D5185m	>75	<b>▲ 94</b>	---	---

Customer Id: PERPRIPCA  
 Sample No.: PCA0081427  
 Lab Number: 06033871  
 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



**DIRT**



Machine Id  
**NOT GIVEN PCA0081427 (S/N NO INFO ON SIF/BOTTLE)**  
 Component  
**Front Differential**  
 Fluid  
**GEAR OIL SAE 75W90 (--- QTS)**

## DIAGNOSIS

### ▲ Recommendation

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

### Wear

All component wear rates are normal.

### ▲ 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>PCA0081427</b>	---	---
Sample Date	Client Info		<b>12 Dec 2023</b>	---	---
Machine Age	mls	Client Info	<b>121070</b>	---	---
Oil Age	mls	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

CONTAMINATION	method	limit/base	current	history1	history2
Water	WC Method	>.2	<b>NEG</b>	---	---

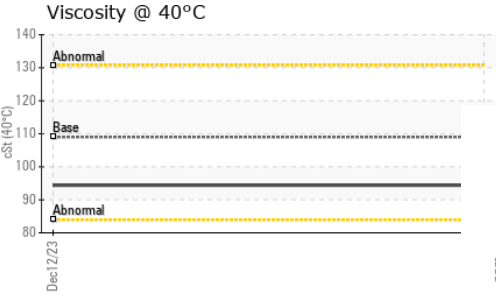
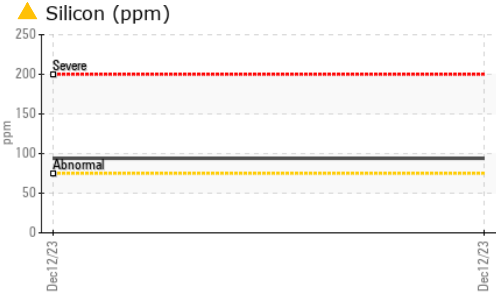
WEAR METALS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>355</b>	---	---
Chromium	ppm	ASTM D5185m >10	<b>4</b>	---	---
Nickel	ppm	ASTM D5185m >10	<b>4</b>	---	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m >25	<b>1</b>	---	---
Lead	ppm	ASTM D5185m >25	<b>7</b>	---	---
Copper	ppm	ASTM D5185m >100	<b>72</b>	---	---
Tin	ppm	ASTM D5185m >10	<b>5</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	---	---

ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	<b>139</b>	---	---
Barium	ppm	ASTM D5185m 200	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m 12	<b>&lt;1</b>	---	---
Manganese	ppm	ASTM D5185m	<b>15</b>	---	---
Magnesium	ppm	ASTM D5185m 12	<b>6</b>	---	---
Calcium	ppm	ASTM D5185m 150	<b>24</b>	---	---
Phosphorus	ppm	ASTM D5185m 1650	<b>1103</b>	---	---
Zinc	ppm	ASTM D5185m 125	<b>20</b>	---	---
Sulfur	ppm	ASTM D5185m 22500	<b>26492</b>	---	---

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>▲ 94</b>	---	---
Sodium	ppm	ASTM D5185m	<b>5</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>4</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>LIGHT</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>	---	---

# OIL ANALYSIS REPORT



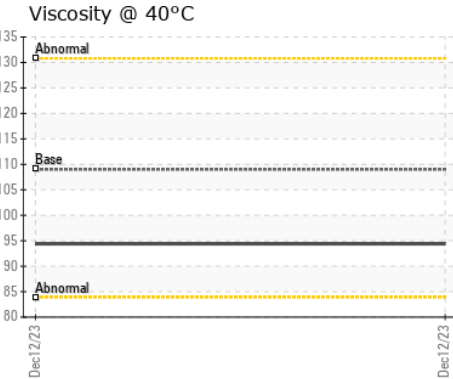
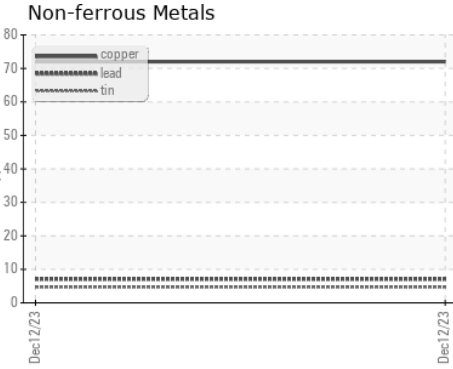
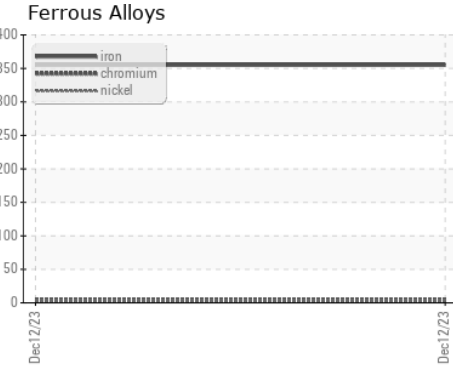
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 109	94.4	---	---

### SAMPLE IMAGES

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

### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0081427      **Recieved** : 13 Dec 2023  
**Lab Number** : **06033871**      **Diagnosed** : 18 Dec 2023  
**Unique Number** : 10789100      **Diagnostician** : Jonathan Hester  
**Test Package** : FLEET

**PERDUE FARMS - PRINCE GEORGE**  
 6012 HARDWARE DR  
 PRINCE GEORGE, VA  
 US 23875  
 Contact: MICHAEL DAVIS  
 MICHAELP.DAVIS@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)

T:  
F: