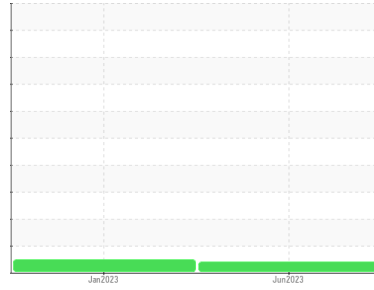


# PROBLEM SUMMARY

Sample Rating Trend



**VIS DEBRIS**



Machine Id  
**2126937**  
 Component  
**Front Differential**  
 Fluid  
**GEAR OIL SAE 75W90 (--- QTS)**

## COMPONENT CONDITION SUMMARY

No relevant graphs to display

## RECOMMENDATION

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

## PROBLEMATIC TEST RESULTS

Sample Status		ABNORMAL	NORMAL	---
Debris	scalar *Visual	▲ MODER	NONE	---

**Customer Id:** PERGEODE  
**Sample No.:** PCA0100158  
**Lab Number:** 05931012  
**Test Package:** FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

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

**11 Jan 2023 Diag: Don Baldrige**

NORMAL



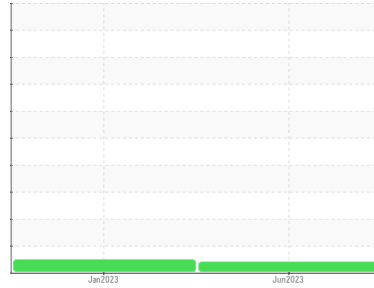
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



# OIL ANALYSIS REPORT

Sample Rating Trend



VIS DEBRIS



Machine Id  
**2126937**  
 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

Moderate concentration of visible dirt/debris present in the oil.

### 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>PCA0100158</b>	PCA0090095	---
Sample Date	Client Info	<b>28 Jun 2023</b>	11 Jan 2023	---
Machine Age	mls	Client Info	<b>60683</b>	20000
Oil Age	mls	Client Info	<b>60683</b>	0
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	---
Sample Status		<b>ABNORMAL</b>	NORMAL	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>309</b>	206
Chromium	ppm	ASTM D5185m >10	<b>4</b>	3
Nickel	ppm	ASTM D5185m >10	<b>5</b>	3
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1
Silver	ppm	ASTM D5185m	<b>0</b>	<1
Aluminum	ppm	ASTM D5185m >25	<b>&lt;1</b>	2
Lead	ppm	ASTM D5185m >25	<b>6</b>	3
Copper	ppm	ASTM D5185m >100	<b>31</b>	22
Tin	ppm	ASTM D5185m >10	<b>2</b>	2
Vanadium	ppm	ASTM D5185m	<b>0</b>	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	<1

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	<b>159</b>	141
Barium	ppm	ASTM D5185m 200	<b>&lt;1</b>	0
Molybdenum	ppm	ASTM D5185m 12	<b>&lt;1</b>	<1
Manganese	ppm	ASTM D5185m	<b>14</b>	9
Magnesium	ppm	ASTM D5185m 12	<b>0</b>	1
Calcium	ppm	ASTM D5185m 150	<b>9</b>	11
Phosphorus	ppm	ASTM D5185m 1650	<b>1101</b>	998
Zinc	ppm	ASTM D5185m 125	<b>18</b>	0
Sulfur	ppm	ASTM D5185m 22500	<b>27281</b>	25056

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>34</b>	24
Sodium	ppm	ASTM D5185m	<b>8</b>	8
Potassium	ppm	ASTM D5185m >20	<b>3</b>	1

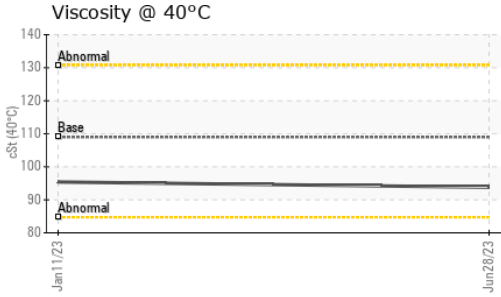
## VISUAL

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

## FLUID PROPERTIES

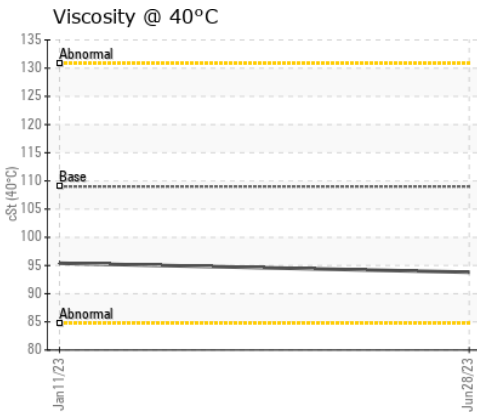
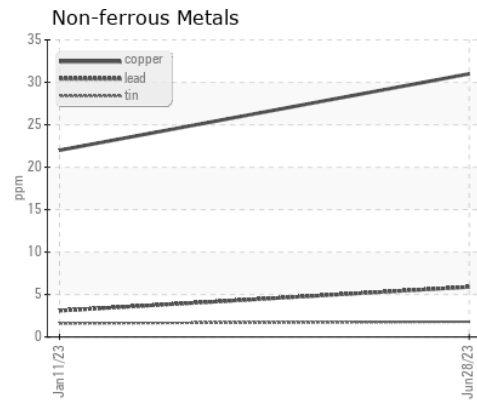
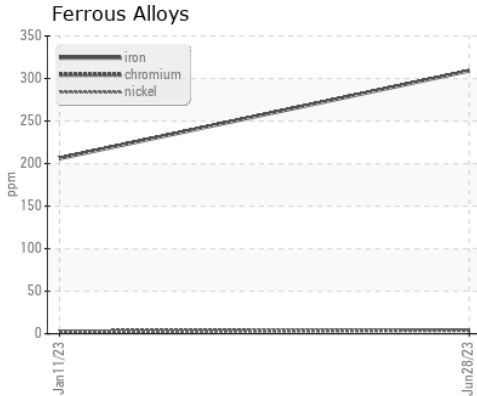
method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 109	<b>93.8</b>	95.4

# 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



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0100158 **Received** : 22 Aug 2023  
**Lab Number** : **05931012** **Diagnosed** : 23 Aug 2023  
**Unique Number** : 10616283 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET

**PERDUE FARMS - GEORGETOWN**  
 20621 SAVANAH RD  
 GEORGETOWN, DE  
 US 19947  
 Contact: ROBERT LOCKWOOD  
 Robert.Lockwood@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: