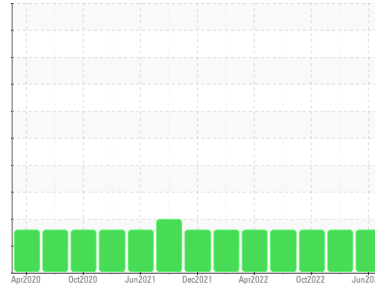




# PROBLEM SUMMARY

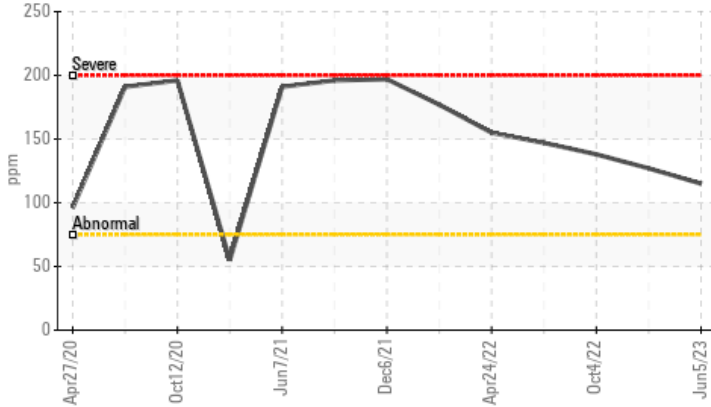
Sample Rating Trend



Machine Id  
**26615**  
 Component  
**Differential**  
 Fluid  
**GEAR OIL SAE 75W90 (--- QTS)**

## COMPONENT CONDITION SUMMARY

▲ Silicon (ppm)



## RECOMMENDATION

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

## PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Silicon	ppm	ASTM D5185m	>75	▲ 115	▲ 127	▲ 138

Customer Id: PERGEODE  
 Sample No.: PCA0099912  
 Lab Number: 05931178  
 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 Dec 2022 Diag: Don Baldrige

DIRT



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

view report



### 04 Oct 2022 Diag: Jonathan Hester

DIRT



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

view report



### 18 Jul 2022 Diag: Don Baldrige

DIRT



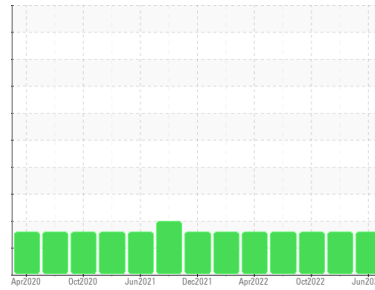
No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

view report



# OIL ANALYSIS REPORT

Sample Rating Trend



**DIRT**



Machine Id  
**26615**  
 Component  
**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 dirt/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>PCA0099912</b>	PCA0088197	PCA0080584	
Sample Date	Client Info	<b>05 Jun 2023</b>	11 Dec 2022	04 Oct 2022	
Machine Age	mls	Client Info	539952	496578	476500
Oil Age	mls	Client Info	<b>0</b>	496578	476500
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	Not Chngd	
Sample Status		<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	

## WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >500	<b>273</b>	233	296
Chromium	ppm	ASTM D5185m >10	<b>2</b>	2	2
Nickel	ppm	ASTM D5185m >10	<b>10</b>	10	8
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>4</b>	2	3
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >100	<b>2</b>	2	2
Tin	ppm	ASTM D5185m >10	<b>1</b>	1	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 400	<b>104</b>	169	213
Barium	ppm	ASTM D5185m 200	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m 12	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m	<b>10</b>	8	9
Magnesium	ppm	ASTM D5185m 12	<b>0</b>	1	0
Calcium	ppm	ASTM D5185m 150	<b>12</b>	11	0
Phosphorus	ppm	ASTM D5185m 1650	<b>1455</b>	1318	1397
Zinc	ppm	ASTM D5185m 125	<b>18</b>	0	17
Sulfur	ppm	ASTM D5185m 22500	<b>26575</b>	23674	26351

## CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >75	<b>▲ 115</b>	▲ 127	▲ 138
Sodium	ppm	ASTM D5185m	<b>8</b>	8	7
Potassium	ppm	ASTM D5185m >20	<b>3</b>	2	0

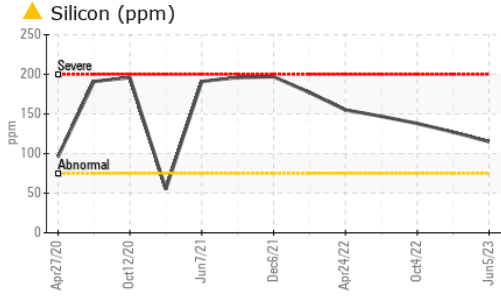
## VISUAL

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

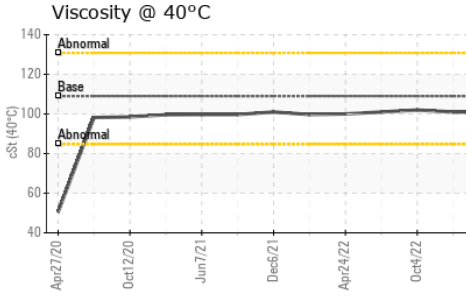
## FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445 109	<b>101</b>	101	102

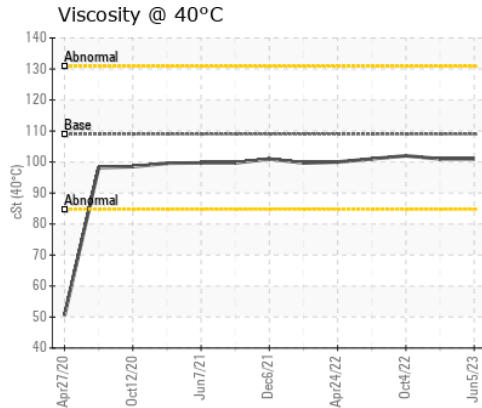
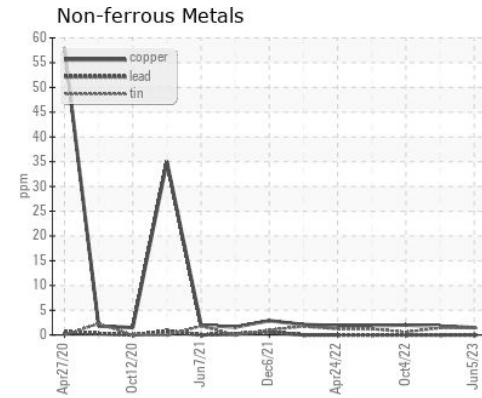
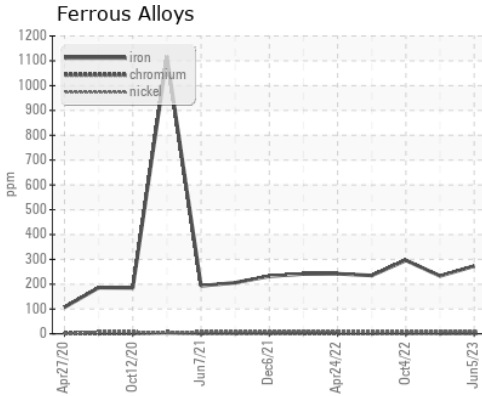
# OIL ANALYSIS REPORT



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.** : PCA0099912 **Received** : 22 Aug 2023  
**Lab Number** : 05931178 **Diagnosed** : 23 Aug 2023  
**Unique Number** : 10616449 **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: