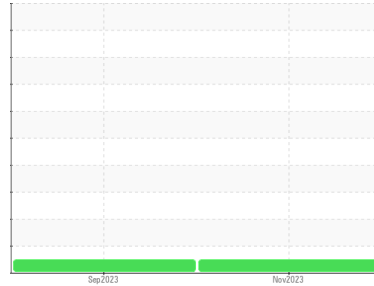


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**2227061**  
 Component  
**Front Differential**  
 Fluid  
**GEAR OIL SAE 75W90 (--- QTS)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the fluid.

### Fluid Condition

The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PCA0109364</b>	PCA0106405	---
Sample Date	Client Info			<b>06 Nov 2023</b>	18 Sep 2023	---
Machine Age	mls	Client Info		<b>43386</b>	0	---
Oil Age	mls	Client Info		<b>43386</b>	24966	---
Oil Changed	Client Info			<b>Not Changed</b>	Not Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

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

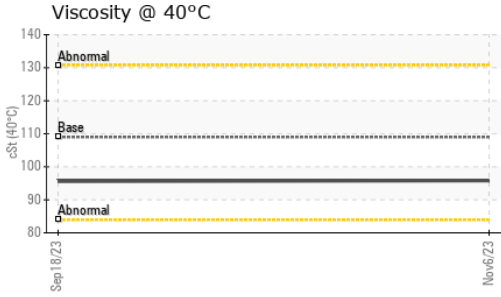
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>209</b>	176	---
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	3	---
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	2	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m	>25	<b>19</b>	11	---
Copper	ppm	ASTM D5185m	>100	<b>16</b>	13	---
Tin	ppm	ASTM D5185m	>10	<b>1</b>	1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	<b>144</b>	140	---
Barium	ppm	ASTM D5185m	200	<b>4</b>	0	---
Molybdenum	ppm	ASTM D5185m	12	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>11</b>	10	---
Magnesium	ppm	ASTM D5185m	12	<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185m	150	<b>24</b>	4	---
Phosphorus	ppm	ASTM D5185m	1650	<b>1123</b>	1089	---
Zinc	ppm	ASTM D5185m	125	<b>17</b>	0	---
Sulfur	ppm	ASTM D5185m	22500	<b>24282</b>	24838	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>49</b>	51	---
Sodium	ppm	ASTM D5185m		<b>10</b>	9	---
Potassium	ppm	ASTM D5185m	>20	<b>0</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>NONE</b>	LIGHT	---
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	---

# OIL ANALYSIS REPORT



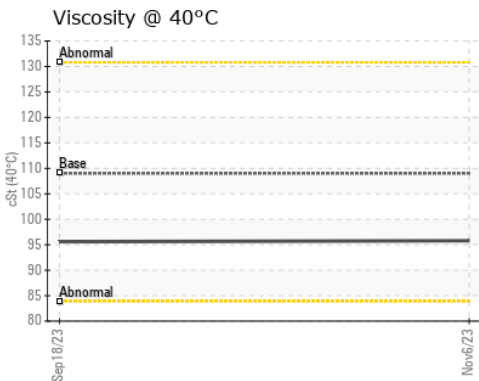
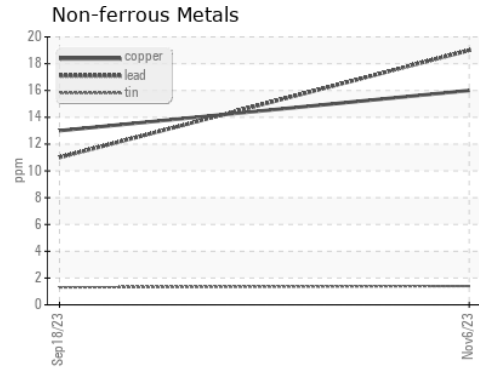
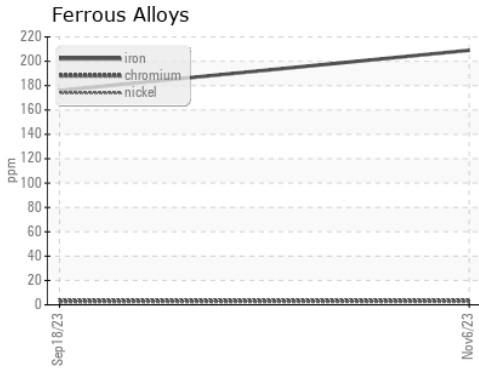
### FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	109	<b>95.8</b>	95.6	---

### 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.** : PCA0109364 **Recieved** : 15 Dec 2023  
**Lab Number** : **06036387** **Diagnosed** : 19 Dec 2023  
**Unique Number** : 10791616 **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: