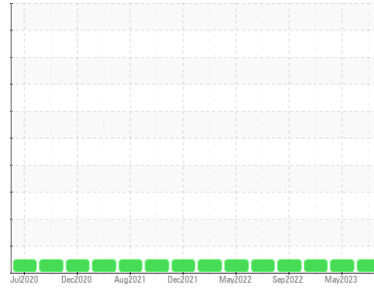


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**2026867**  
 Component  
**1 Differential**  
 Fluid  
**GEAR OIL SAE 80W90 (--- 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 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>PCA0103346</b>	PCA0099768	PCA0095203
Sample Date	Client Info			<b>06 Aug 2023</b>	30 May 2023	27 Mar 2023
Machine Age	mls	Client Info		<b>336391</b>	311808	291746
Oil Age	mls	Client Info		<b>336391</b>	311808	291746
Oil Changed	Client Info			<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

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

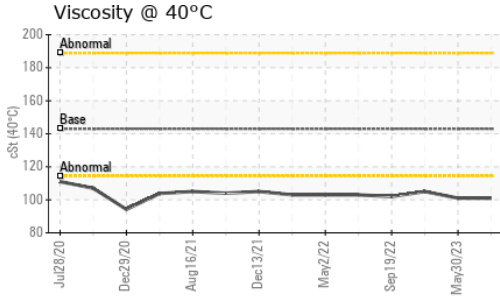
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>402</b>	388	396
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	3	4
Nickel	ppm	ASTM D5185m	>10	<b>6</b>	6	6
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	2	3
Lead	ppm	ASTM D5185m	>25	<b>2</b>	2	1
Copper	ppm	ASTM D5185m	>100	<b>55</b>	52	48
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	3
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	<b>121</b>	117	153
Barium	ppm	ASTM D5185m	200	<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m	12	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>16</b>	16	16
Magnesium	ppm	ASTM D5185m	12	<b>0</b>	0	4
Calcium	ppm	ASTM D5185m	150	<b>0</b>	0	10
Phosphorus	ppm	ASTM D5185m	1650	<b>1299</b>	1321	1382
Zinc	ppm	ASTM D5185m	125	<b>0</b>	0	15
Sulfur	ppm	ASTM D5185m	22500	<b>23805</b>	24839	27925

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>52</b>	46	42
Sodium	ppm	ASTM D5185m	>170	<b>9</b>	8	8
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	2

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
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

# OIL ANALYSIS REPORT

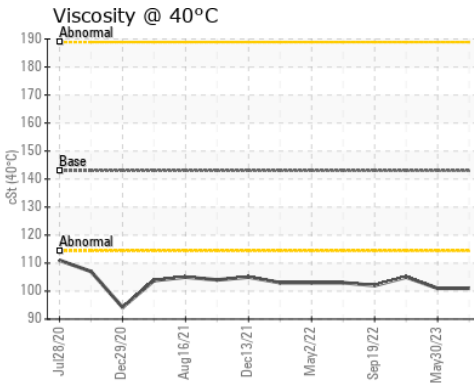
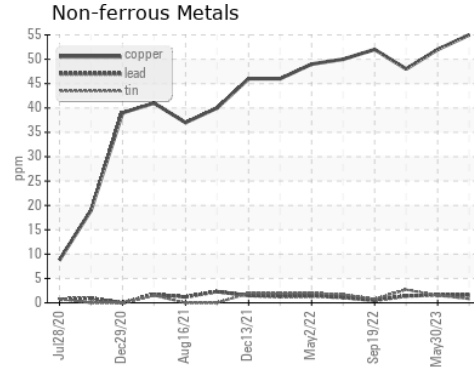
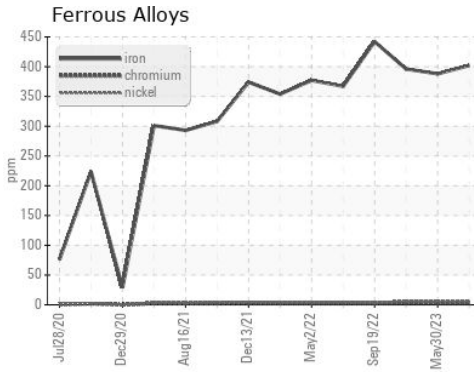


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	143	<b>101</b>	101	105

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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.** : PCA0103346 **Received** : 11 Dec 2023  
**Lab Number** : **06032007** **Diagnosed** : 14 Dec 2023  
**Unique Number** : 10781798 **Diagnostician** : Sean Felton  
**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: