

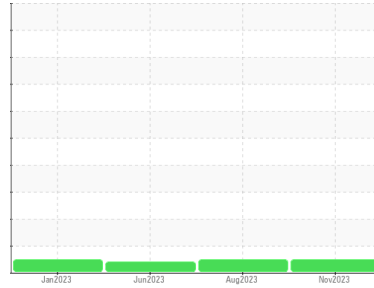
# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Machine Id  
**2126937**  
 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 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>PCA0113256</b>	PCA0105504	PCA0100158
Sample Date	Client Info		<b>21 Nov 2023</b>	31 Aug 2023	28 Jun 2023
Machine Age	mls	Client Info	<b>94920</b>	74852	60683
Oil Age	mls	Client Info	<b>0</b>	74852	60683
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	ABNORMAL

## 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>348</b>	296	309
Chromium	ppm	ASTM D5185m >10	<b>5</b>	4	4
Nickel	ppm	ASTM D5185m >10	<b>6</b>	5	5
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>1</b>	2	<1
Lead	ppm	ASTM D5185m >25	<b>7</b>	7	6
Copper	ppm	ASTM D5185m >100	<b>45</b>	31	31
Tin	ppm	ASTM D5185m >10	<b>2</b>	1	2
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	<b>136</b>	121	159
Barium	ppm	ASTM D5185m 200	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m 12	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>14</b>	12	14
Magnesium	ppm	ASTM D5185m 12	<b>&lt;1</b>	0	0
Calcium	ppm	ASTM D5185m 150	<b>11</b>	0	9
Phosphorus	ppm	ASTM D5185m 1650	<b>1018</b>	1036	1101
Zinc	ppm	ASTM D5185m 125	<b>0</b>	0	18
Sulfur	ppm	ASTM D5185m 22500	<b>26146</b>	24172	27281

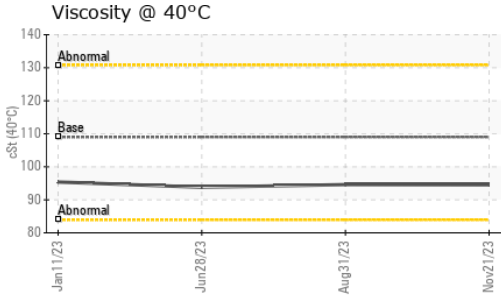
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>44</b>	34	34
Sodium	ppm	ASTM D5185m	<b>8</b>	8	8
Potassium	ppm	ASTM D5185m >20	<b>4</b>	1	3

## 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>	LIGHT	▲ MODER
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>	0.2%	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

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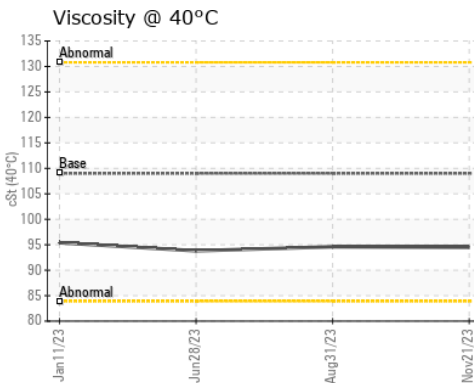
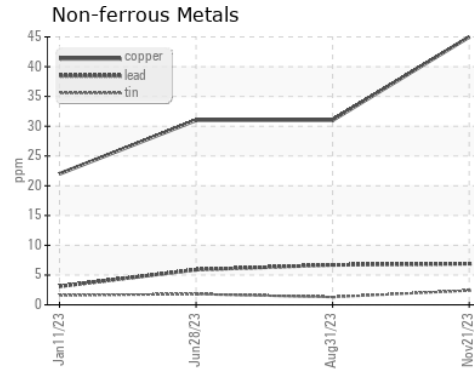
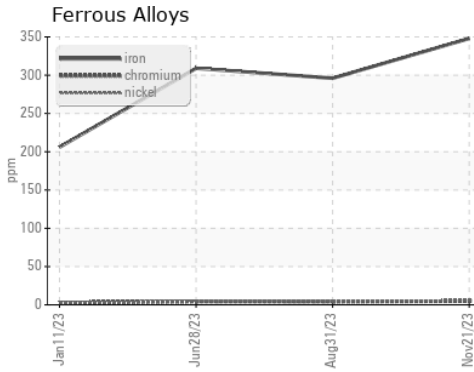


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	109	<b>94.5</b>	94.6	93.8

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.** : PCA0113256 **Recieved** : 15 Dec 2023  
**Lab Number** : 06037113 **Diagnosed** : 20 Dec 2023  
**Unique Number** : 10792342 **Diagnostician** : Jonathan Hester  
**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: