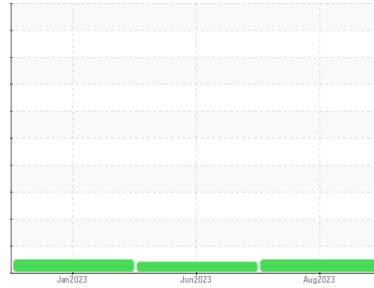


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



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

The water content is negligible. 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>PCA0105504</b>	PCA0100158	PCA0090095
Sample Date	Client Info		<b>31 Aug 2023</b>	28 Jun 2023	11 Jan 2023
Machine Age	mls	Client Info	<b>74852</b>	60683	20000
Oil Age	mls	Client Info	<b>74852</b>	60683	0
Oil Changed	Client Info		<b>Not Changed</b>	Not Changd	Not Changed
Sample Status			<b>NORMAL</b>	ABNORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>296</b>	309	206
Chromium	ppm	ASTM D5185m >10	<b>4</b>	4	3
Nickel	ppm	ASTM D5185m >10	<b>5</b>	5	3
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	<1	2
Lead	ppm	ASTM D5185m >25	<b>7</b>	6	3
Copper	ppm	ASTM D5185m >100	<b>31</b>	31	22
Tin	ppm	ASTM D5185m >10	<b>1</b>	2	2
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	<b>121</b>	159	141
Barium	ppm	ASTM D5185m 200	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m 12	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>12</b>	14	9
Magnesium	ppm	ASTM D5185m 12	<b>0</b>	0	1
Calcium	ppm	ASTM D5185m 150	<b>0</b>	9	11
Phosphorus	ppm	ASTM D5185m 1650	<b>1036</b>	1101	998
Zinc	ppm	ASTM D5185m 125	<b>0</b>	18	0
Sulfur	ppm	ASTM D5185m 22500	<b>24172</b>	27281	25056

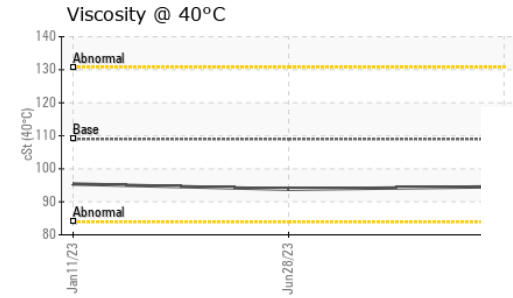
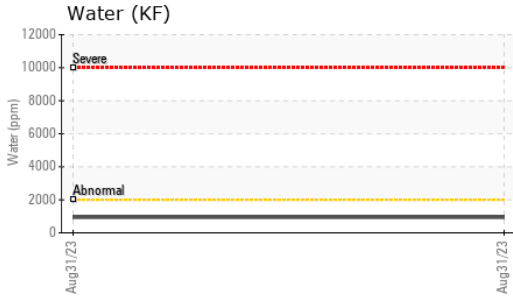
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>34</b>	34	24
Sodium	ppm	ASTM D5185m	<b>8</b>	8	8
Potassium	ppm	ASTM D5185m >20	<b>1</b>	3	1
Water	%	ASTM D6304 >.2	<b>0.094</b>	---	---
ppm Water	ppm	ASTM D6304 >2000	<b>940</b>	---	---

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

# OIL ANALYSIS REPORT

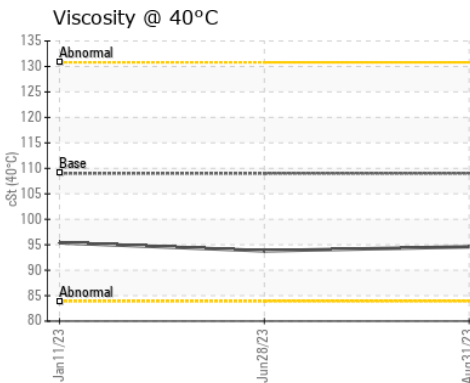
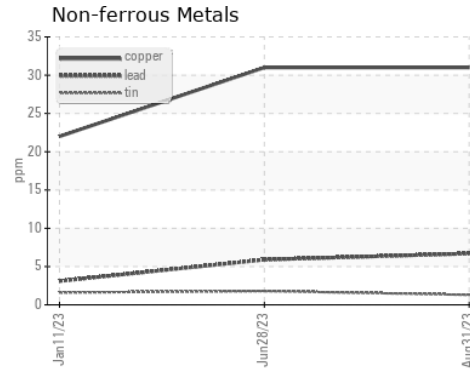
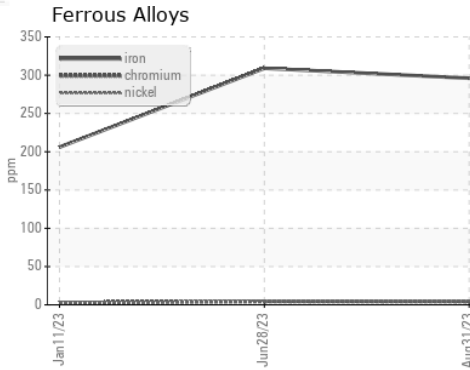


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	109	<b>94.6</b>	93.8	95.4

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.** : PCA0105504    **Received** : 11 Dec 2023  
**Lab Number** : 06031967    **Diagnosed** : 14 Dec 2023  
**Unique Number** : 10781758    **Diagnostician** : Sean Felton  
**Test Package** : FLEET ( Additional Tests: KF )

**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: