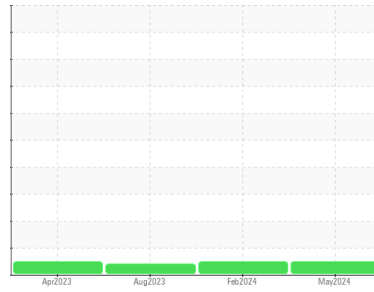


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**2227004**  
 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>PCA0106089</b>	PCA0116025	PCA0100536
Sample Date	Client Info			<b>01 May 2024</b>	27 Feb 2024	30 Aug 2023
Machine Age	mls	Client Info		<b>97613</b>	81492	35642
Oil Age	mls	Client Info		<b>0</b>	81492	35642
Oil Changed	Client Info			<b>Not Changed</b>	Not Changd	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

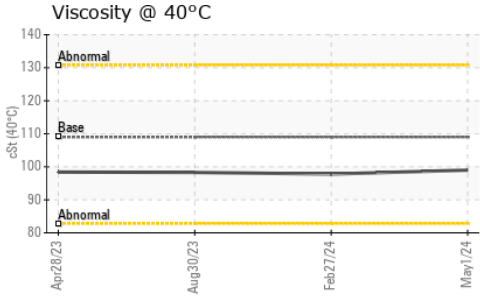
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>225</b>	150	147
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	1	2
Nickel	ppm	ASTM D5185m	>10	<b>4</b>	0	2
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	2	2
Lead	ppm	ASTM D5185m	>25	<b>13</b>	0	8
Copper	ppm	ASTM D5185m	>100	<b>38</b>	1	23
Tin	ppm	ASTM D5185m	>10	<b>3</b>	<1	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	<b>252</b>	335	194
Barium	ppm	ASTM D5185m	200	<b>9</b>	0	7
Molybdenum	ppm	ASTM D5185m	12	<b>4</b>	0	3
Manganese	ppm	ASTM D5185m		<b>21</b>	2	14
Magnesium	ppm	ASTM D5185m	12	<b>18</b>	2	13
Calcium	ppm	ASTM D5185m	150	<b>91</b>	7	65
Phosphorus	ppm	ASTM D5185m	1650	<b>1652</b>	1602	1225
Zinc	ppm	ASTM D5185m	125	<b>63</b>	3	44
Sulfur	ppm	ASTM D5185m	22500	<b>36285</b>	28683	28295

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>50</b>	20	48
Sodium	ppm	ASTM D5185m		<b>13</b>	3	9
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	2	5

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>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT



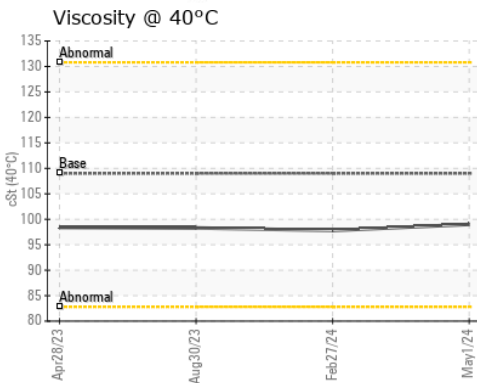
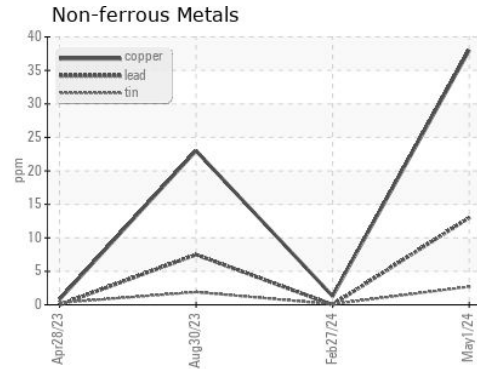
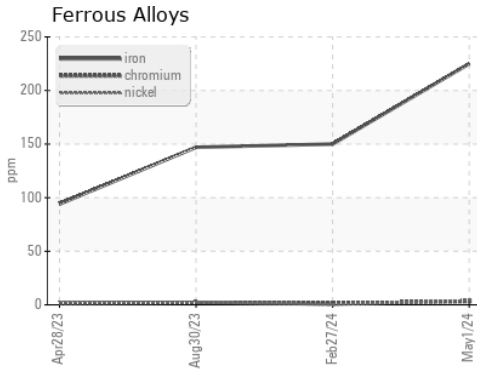
### FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	109	<b>99.0</b>	97.8	98.3

### 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.** : PCA0106089      **Received** : 09 May 2024  
**Lab Number** : **06174461**      **Tested** : 10 May 2024  
**Unique Number** : 11020514      **Diagnosed** : 13 May 2024 - Don Baldrige  
**Test Package** : FLEET

**PERDUE FARMS - BRIDGEVILLE**  
 8634 E NEWTON RD  
 BRIDGEVILLE, DE  
 US 19933  
 Contact: GEORGE LACATES

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: