



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**2227004**  
Component  
**Front Differential**  
Fluid  
**GEAR OIL SAE 75W90 (--- QTS)**

**RECOMMENDATION**

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0100536</b>	PCA0095534	---
Sample Date		Client Info		<b>30 Aug 2023</b>	28 Apr 2023	---
Machine Age	mls	Client Info		<b>35642</b>	17522	---
Oil Age	mls	Client Info		<b>35642</b>	0	---
Filter Age	mls	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>147</b>	94	---
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	1	---
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	2	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	---
Lead	ppm	ASTM D5185m	>25	<b>8</b>	0	---
Copper	ppm	ASTM D5185m	>100	<b>23</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>2</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

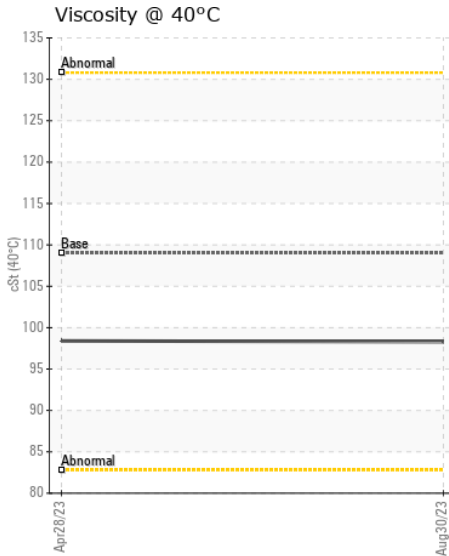
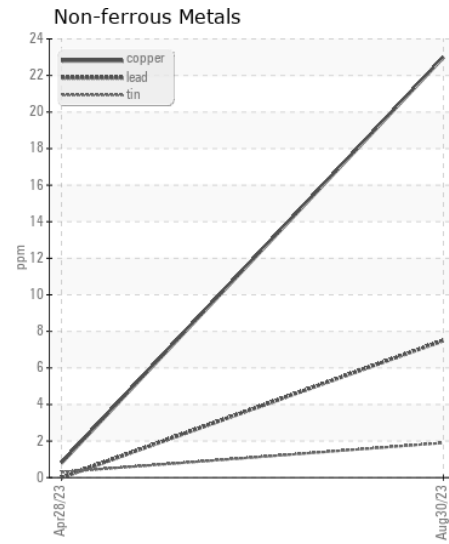
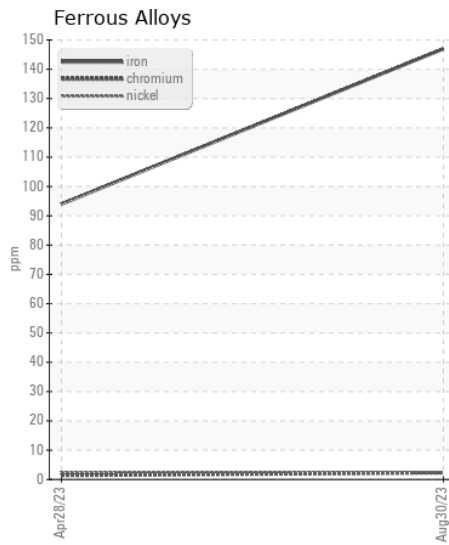
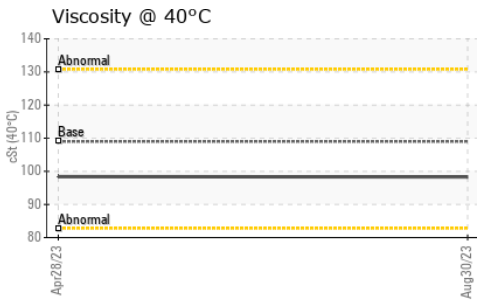
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>48</b>	47	---
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	5	---
Water		WC Method	>.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	---
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	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>9</b>	6	---
Boron	ppm	ASTM D5185m	400	<b>194</b>	188	---
Barium	ppm	ASTM D5185m	200	<b>7</b>	0	---
Molybdenum	ppm	ASTM D5185m	12	<b>3</b>	3	---
Manganese	ppm	ASTM D5185m		<b>14</b>	16	---
Magnesium	ppm	ASTM D5185m	12	<b>13</b>	10	---
Calcium	ppm	ASTM D5185m	150	<b>65</b>	61	---
Phosphorus	ppm	ASTM D5185m	1650	<b>1225</b>	1153	---
Zinc	ppm	ASTM D5185m	125	<b>44</b>	40	---
Sulfur	ppm	ASTM D5185m	22500	<b>28295</b>	27575	---
Visc @ 40°C	cSt	ASTM D445	109	<b>98.3</b>	98.4	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0100536  
**Lab Number** : 06174477  
**Unique Number** : 11020530  
**Test Package** : FLEET

**Received** : 09 May 2024  
**Tested** : 10 May 2024  
**Diagnosed** : 13 May 2024 - Don Baldrige

**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: