



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

Machine Id  
**2126944**  
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.

**WEAR**

All component wear rates are normal.

**CONTAMINATION**

Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.

**FLUID CONDITION**

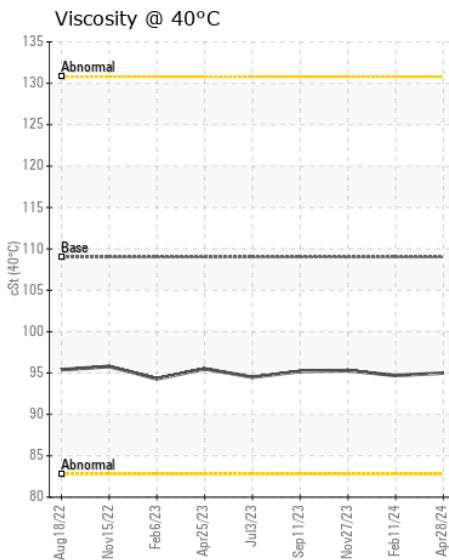
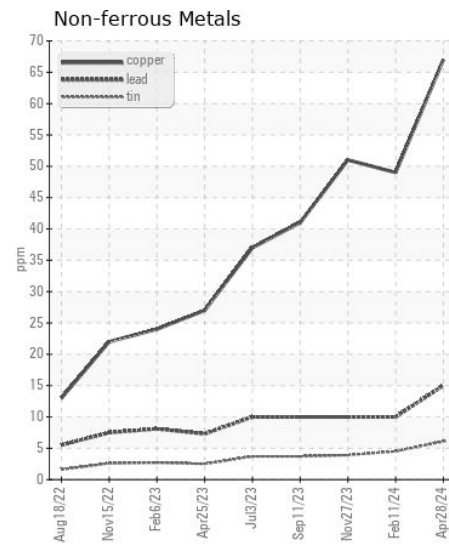
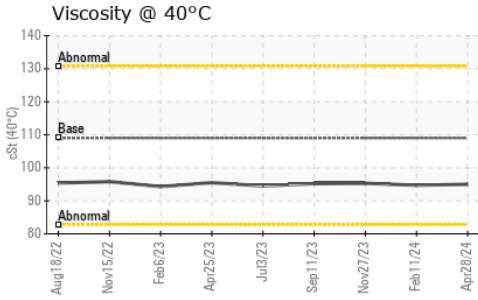
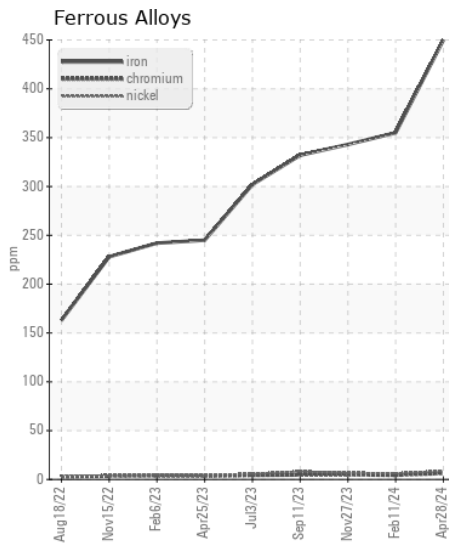
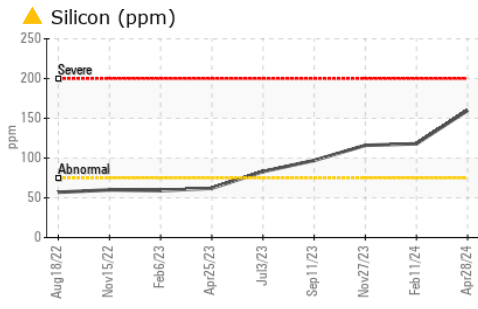
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0125028</b>	PCA0114773	PCA0113247
Sample Date		Client Info		<b>28 Apr 2024</b>	11 Feb 2024	27 Nov 2023
Machine Age	mls	Client Info		<b>195961</b>	176450	153425
Oil Age	mls	Client Info		<b>195961</b>	176450	153425
Filter Age	mls	Client Info		<b>195961</b>	176450	153425
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

Iron	ppm	ASTM D5185m	>500	<b>450</b>	355	343
Chromium	ppm	ASTM D5185m	>10	<b>6</b>	4	5
Nickel	ppm	ASTM D5185m	>10	<b>8</b>	6	7
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>4</b>	3	2
Lead	ppm	ASTM D5185m	>25	<b>15</b>	10	10
Copper	ppm	ASTM D5185m	>100	<b>67</b>	49	51
Tin	ppm	ASTM D5185m	>10	<b>6</b>	4	4
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	<b>▲ 160</b>	▲ 118	▲ 116
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	2	4
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Debris	scalar	*Visual	NONE	<b>LIGHT</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

Sodium	ppm	ASTM D5185m		<b>13</b>	9	8
Boron	ppm	ASTM D5185m	400	<b>177</b>	105	130
Barium	ppm	ASTM D5185m	200	<b>9</b>	0	0
Molybdenum	ppm	ASTM D5185m	12	<b>&lt;1</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>21</b>	15	16
Magnesium	ppm	ASTM D5185m	12	<b>3</b>	0	1
Calcium	ppm	ASTM D5185m	150	<b>30</b>	13	21
Phosphorus	ppm	ASTM D5185m	1650	<b>1521</b>	1051	1005
Zinc	ppm	ASTM D5185m	125	<b>34</b>	6	<1
Sulfur	ppm	ASTM D5185m	22500	<b>34970</b>	27053	28643
Visc @ 40°C	cSt	ASTM D445	109	<b>95.0</b>	94.7	95.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0125028  
**Lab Number** : 06174476  
**Unique Number** : 11020529  
**Test Package** : FLEET

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

**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: