



Area  
**FLEET**  
Machine Id  
**2227088 (S/N 4v4nc9ehxrn643766)**  
Component  
**1 Differential**  
Fluid  
**GEAR OIL SAE 75W90 (--- GAL)**

**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>PCA0116239</b>	PCA0112331	---
Sample Date		Client Info		<b>18 Mar 2024</b>	12 Dec 2023	---
Machine Age	hrs	Client Info		<b>0</b>	0	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	N/A	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---

**WEAR**

The aluminum level is abnormal. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>30</b>	226	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	3	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	5	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>21</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>▲ 30</b>	<1	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	10	---
Copper	ppm	ASTM D5185m	>100	<b>46</b>	15	---
Tin	ppm	ASTM D5185m	>10	<b>3</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

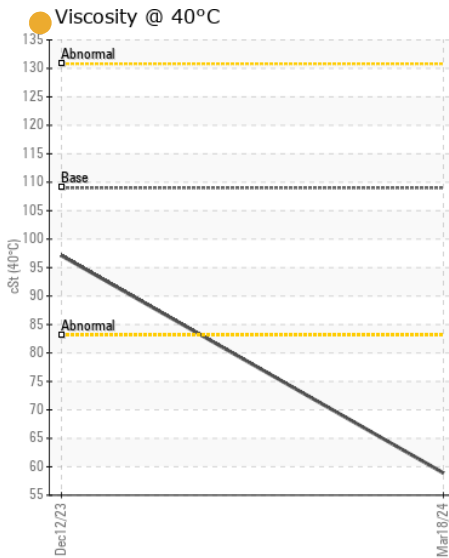
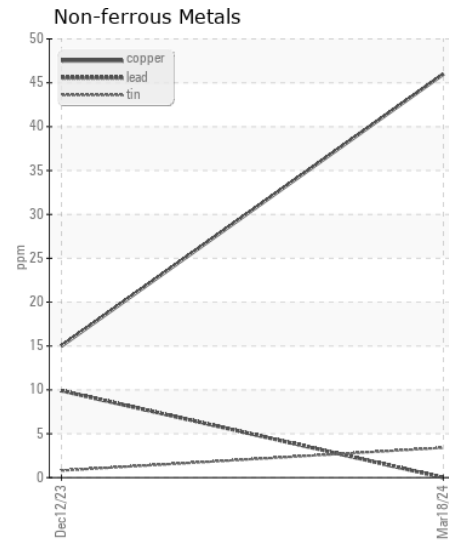
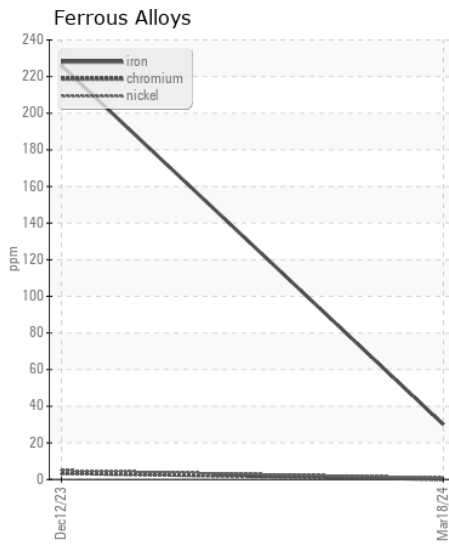
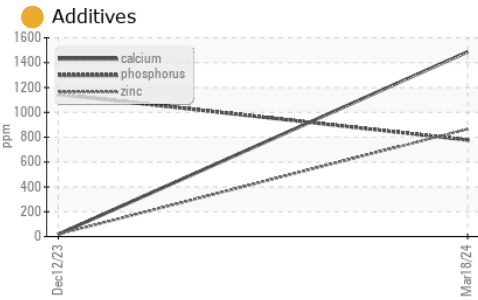
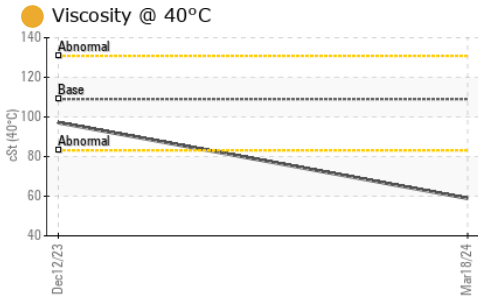
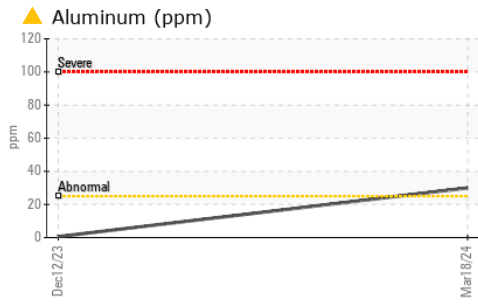
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>67</b>	41	---
Potassium	ppm	ASTM D5185m	>20	<b>76</b>	3	---
Water		WC Method	>.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	---
Debris	scalar	*Visual	NONE	<b>NONE</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 oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>5</b>	6	---
Boron	ppm	ASTM D5185m	400	<b>220</b>	142	---
Barium	ppm	ASTM D5185m	200	<b>0</b>	6	---
Molybdenum	ppm	ASTM D5185m	12	<b>● 113</b>	0	---
Manganese	ppm	ASTM D5185m		<b>3</b>	13	---
Magnesium	ppm	ASTM D5185m	12	<b>● 700</b>	2	---
Calcium	ppm	ASTM D5185m	150	<b>● 1487</b>	18	---
Phosphorus	ppm	ASTM D5185m	1650	<b>● 777</b>	1146	---
Zinc	ppm	ASTM D5185m	125	<b>● 865</b>	18	---
Sulfur	ppm	ASTM D5185m	22500	<b>● 3065</b>	25819	---
Visc @ 40°C	cSt	ASTM D445	109	<b>● 58.9</b>	97.1	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0116239  
**Lab Number** : 06147688  
**Unique Number** : 10977766  
**Test Package** : FLEET  
**Received** : 12 Apr 2024  
**Tested** : 15 Apr 2024  
**Diagnosed** : 16 Apr 2024 - Jonathan Hester

**PERDUE FARMS - DILLON**  
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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)