



# OIL ANALYSIS REPORT

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



Area  
**{unassigned}**  
Machine Id  
**JOHN DEERE 250G 1FF250GXCKF611272**  
Component  
**Swing Drive**  
Fluid  
**JOHN DEERE GL-5 80W90 (2 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0047872</b>	LEC0012639	---
Sample Date		Client Info		<b>14 Feb 2024</b>	18 Sep 2020	---
Machine Age	hrs	Client Info		<b>3887</b>	0	---
Oil Age	hrs	Client Info		<b>1000</b>	403	---
Filter Age	hrs	Client Info		<b>0</b>	403	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>None</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>97</b>	44	---
Iron	ppm	ASTM D5185m	>151	<b>247</b>	181	---
Chromium	ppm	ASTM D5185m	>11	<b>2</b>	2	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>21	<b>1</b>	0	---
Lead	ppm	ASTM D5185m	>51	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
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

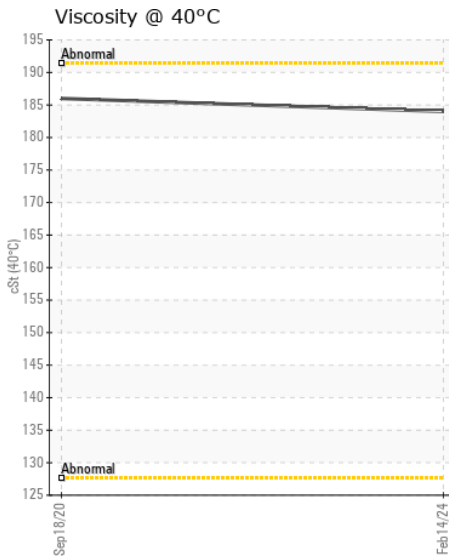
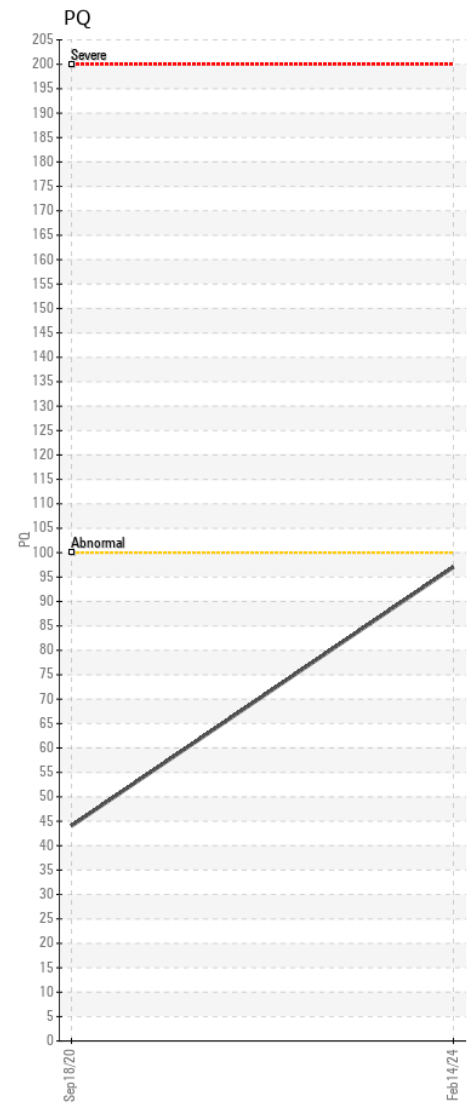
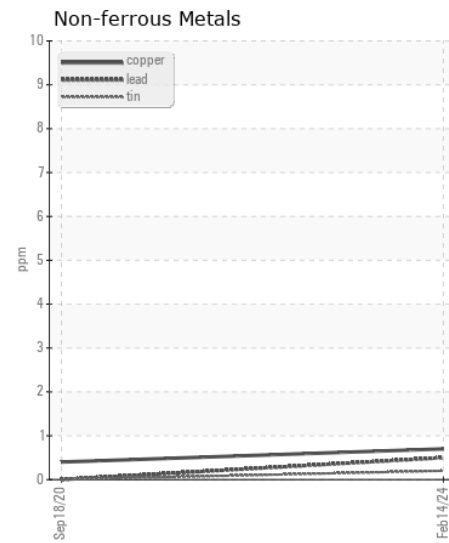
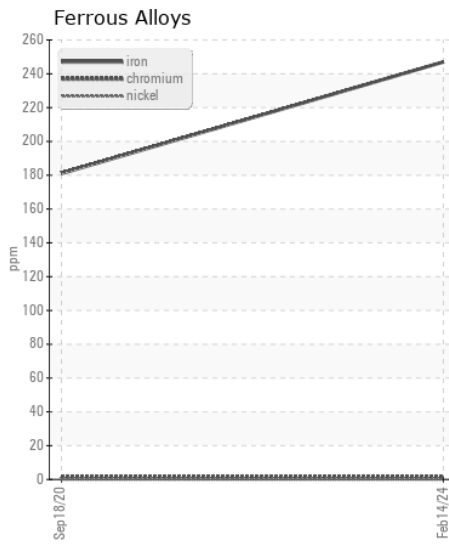
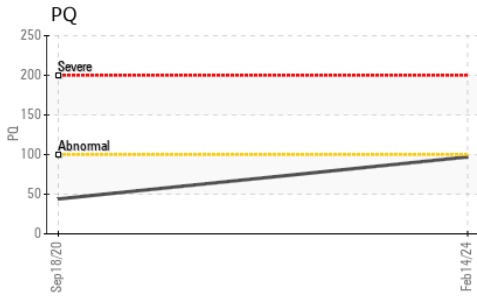
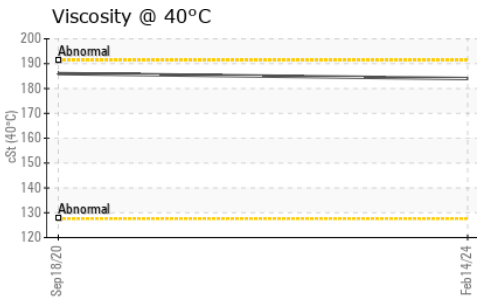
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>25</b>	22	---
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	4	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
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	>0.1	<b>NEG</b>	NEG	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>2</b>	<1	---
Boron	ppm	ASTM D5185m		<b>46</b>	60	---
Barium	ppm	ASTM D5185m		<b>2</b>	4	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>3</b>	2	---
Magnesium	ppm	ASTM D5185m		<b>2</b>	<1	---
Calcium	ppm	ASTM D5185m		<b>16</b>	14	---
Phosphorus	ppm	ASTM D5185m		<b>470</b>	491	---
Zinc	ppm	ASTM D5185m		<b>9</b>	6	---
Sulfur	ppm	ASTM D5185m		<b>14935</b>	13420	---
Visc @ 40°C	cSt	ASTM D445		<b>184</b>	186	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0047872 **Received** : 26 Feb 2024  
**Lab Number** : 06100367 **Tested** : 27 Feb 2024  
**Unique Number** : 10898597 **Diagnosed** : 28 Feb 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

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)

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