



# OIL ANALYSIS REPORT

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



Area  
**Store 9 - Marietta**  
Machine Id  
**JOHN DEERE 250G 1FF250GXJNF611968**  
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>LEC0043903</b>	LEC0040211	---
Sample Date		Client Info		<b>16 Sep 2023</b>	03 May 2023	---
Machine Age	hrs	Client Info		<b>1186</b>	648	---
Oil Age	hrs	Client Info		<b>1186</b>	648	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>None</b>	None	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>118</b>	113	---
Iron	ppm	ASTM D5185m	>151	<b>167</b>	213	---
Chromium	ppm	ASTM D5185m	>11	<b>2</b>	2	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>21	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185m	>51	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

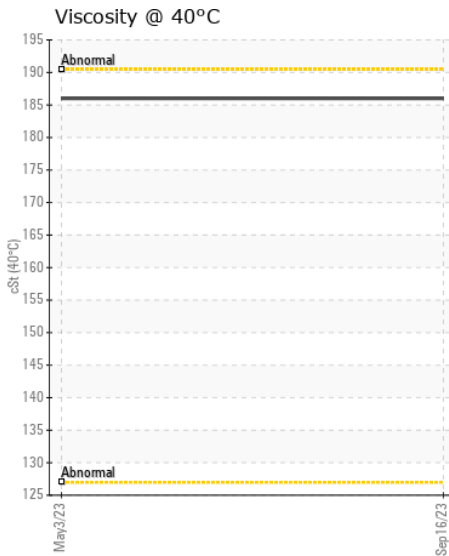
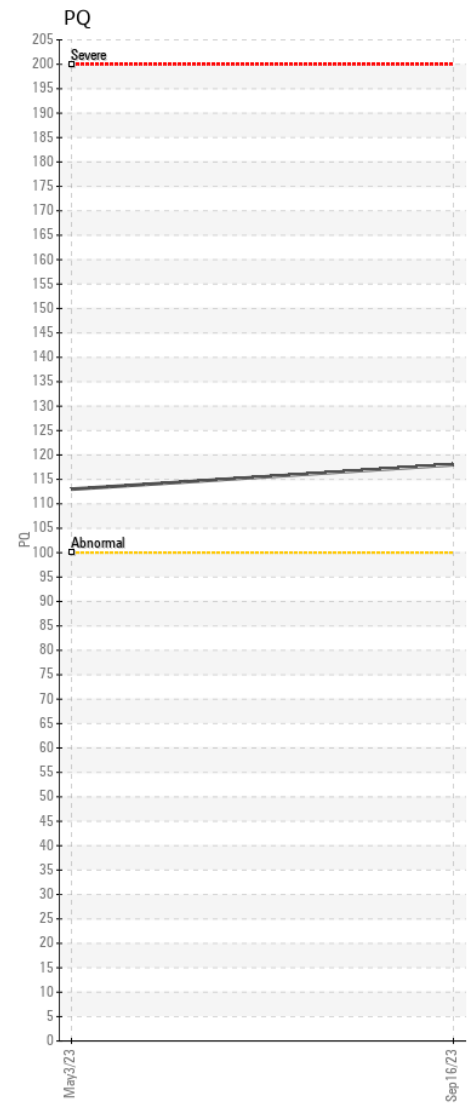
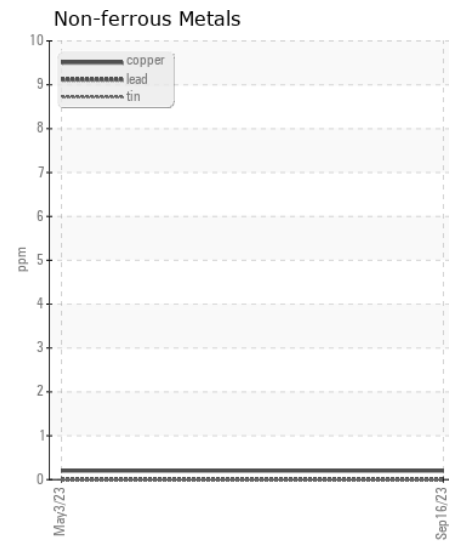
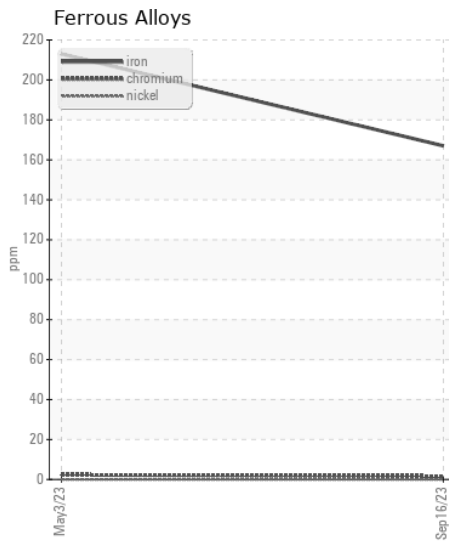
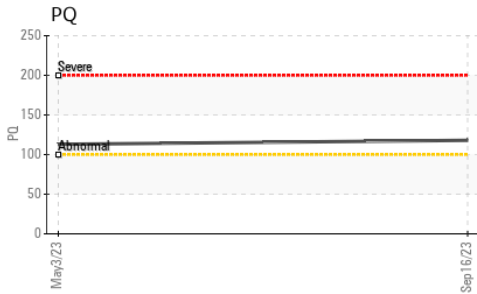
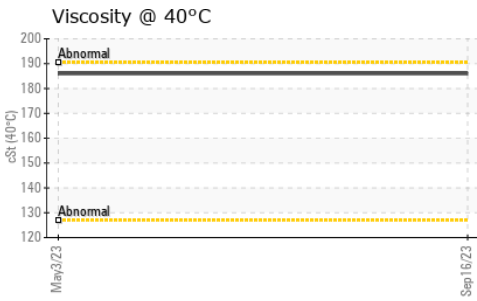
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>18</b>	24	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	---
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>	2	---
Boron	ppm	ASTM D5185m		<b>52</b>	56	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>2</b>	3	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	2	---
Calcium	ppm	ASTM D5185m		<b>50</b>	34	---
Phosphorus	ppm	ASTM D5185m		<b>462</b>	489	---
Zinc	ppm	ASTM D5185m		<b>10</b>	12	---
Sulfur	ppm	ASTM D5185m		<b>16673</b>	15181	---
Visc @ 40°C	cSt	ASTM D445		<b>186</b>	186	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0043903 **Received** : 20 Sep 2023  
**Lab Number** : 05956697 **Tested** : 21 Sep 2023  
**Unique Number** : 10657910 **Diagnosed** : 22 Sep 2023 - Jonathan Hester  
**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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