



# OIL ANALYSIS REPORT

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



Area  
**Store 4 - Fairmont**  
Machine Id  
**JOHN DEERE 250G 1FF250GXLF611927**  
Component  
**Left Propel Gearbox**  
Fluid  
**JOHN DEERE GL-5 80W90 (2 GAL)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0043847</b>	LEC0038880	---
Sample Date		Client Info		<b>01 Aug 2023</b>	10 Feb 2023	---
Machine Age	hrs	Client Info		<b>1177</b>	649	---
Oil Age	hrs	Client Info		<b>528</b>	649	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>None</b>	N/A	---
Sample Status				<b>ATTENTION</b>	NORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>124</b>	309	---
Iron	ppm	ASTM D5185m	>1250	<b>112</b>	610	---
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	12	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m		<b>1</b>	6	---
Lead	ppm	ASTM D5185m		<b>0</b>	0	---
Copper	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Tin	ppm	ASTM D5185m		<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

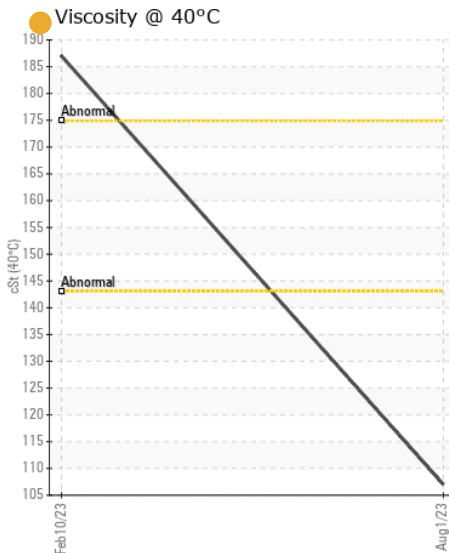
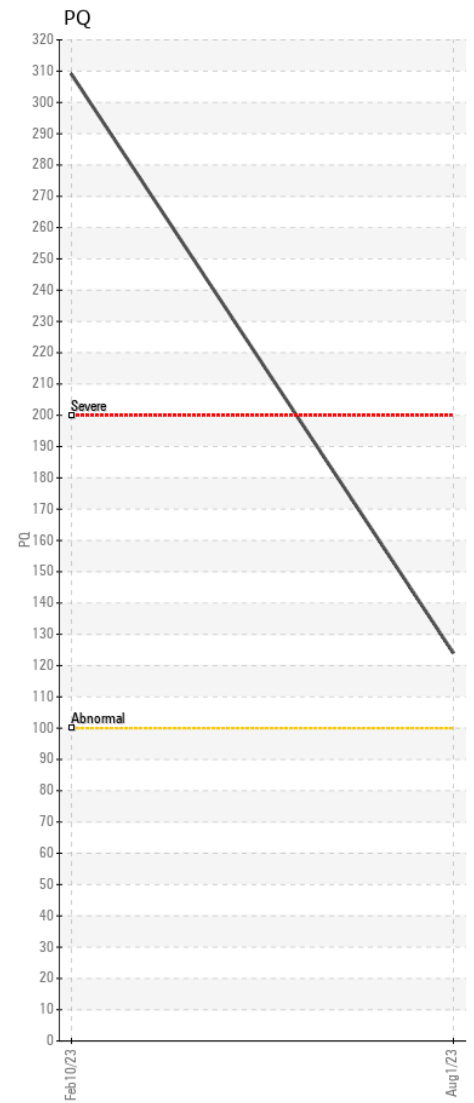
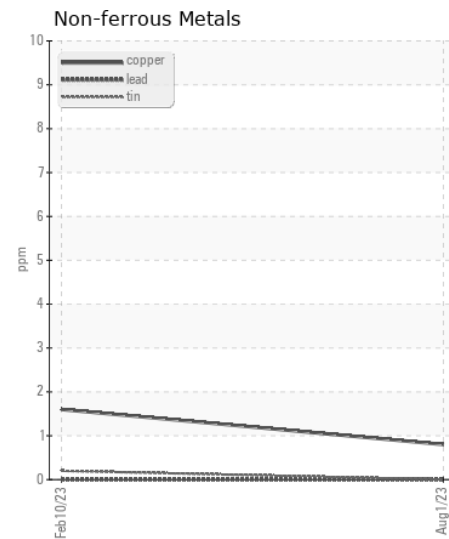
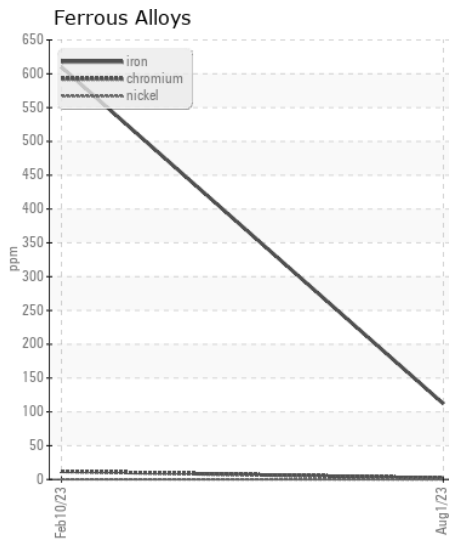
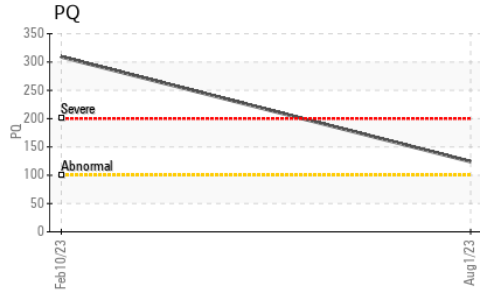
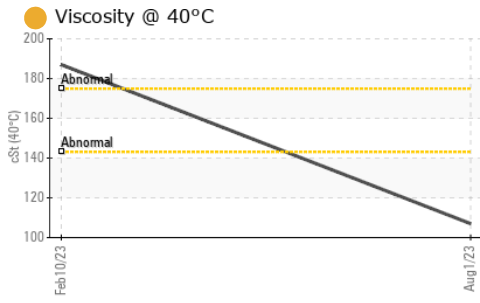
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<b>9</b>	41	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	<1	---
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	---

## FLUID CONDITION

The oil viscosity is lower than normal. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Boron	ppm	ASTM D5185m		<b>139</b>	70	---
Barium	ppm	ASTM D5185m		<b>0</b>	6	---
Molybdenum	ppm	ASTM D5185m		<b>1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>2</b>	12	---
Magnesium	ppm	ASTM D5185m		<b>30</b>	2	---
Calcium	ppm	ASTM D5185m		<b>981</b>	50	---
Phosphorus	ppm	ASTM D5185m		<b>941</b>	486	---
Zinc	ppm	ASTM D5185m		<b>364</b>	30	---
Sulfur	ppm	ASTM D5185m		<b>16289</b>	16719	---
Visc @ 40°C	cSt	ASTM D445		<b>107</b>	187	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0043847 **Received** : 04 Aug 2023  
**Lab Number** : 05916356 **Tested** : 07 Aug 2023  
**Unique Number** : 10588270 **Diagnosed** : 07 Aug 2023 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
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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)

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