



# OIL ANALYSIS REPORT

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



Area  
**Store 3 - Norton**  
Machine Id  
**JOHN DEERE 210G 1FF210GXKMF529702**  
Component  
**Swing Drive**  
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>LEC0044817</b>	LEC0037488	LEC0034495
Sample Date		Client Info		<b>30 Jan 2024</b>	15 May 2023	29 Nov 2022
Machine Age	hrs	Client Info		<b>2200</b>	1512	987
Oil Age	hrs	Client Info		<b>1213</b>	525	987
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Chngd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ATTENTION</b>	ATTENTION	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>36</b>	19	28
Iron	ppm	ASTM D5185m	>151	<b>51</b>	39	92
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185m	>51	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>0</b>	0	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

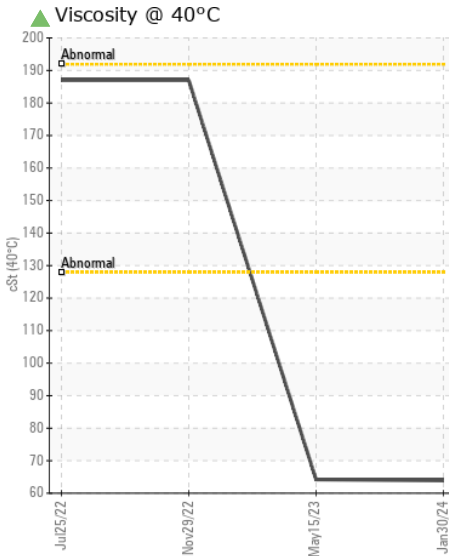
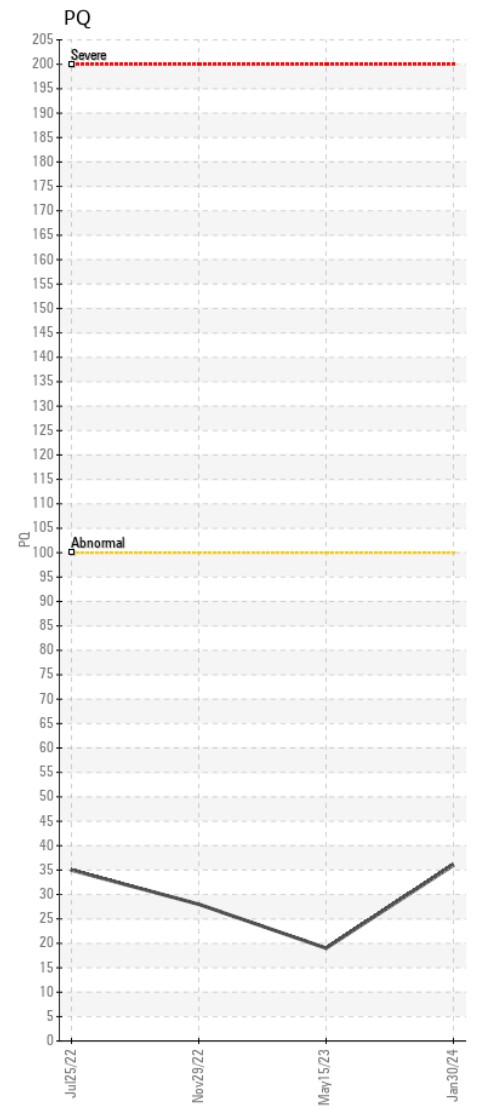
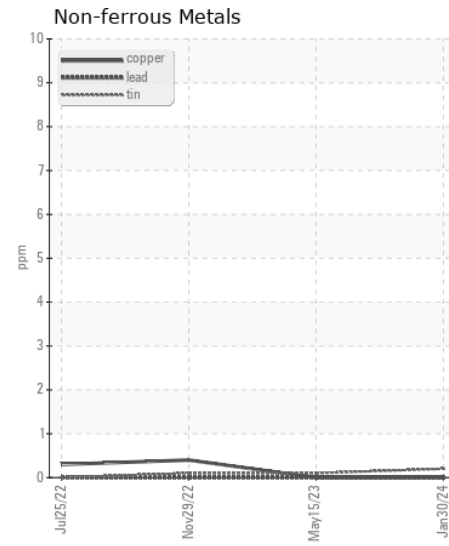
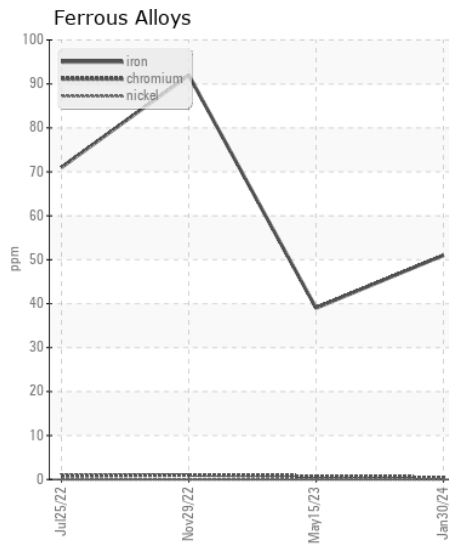
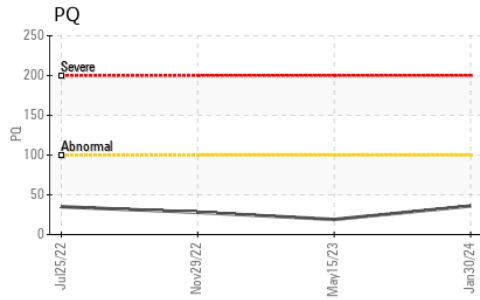
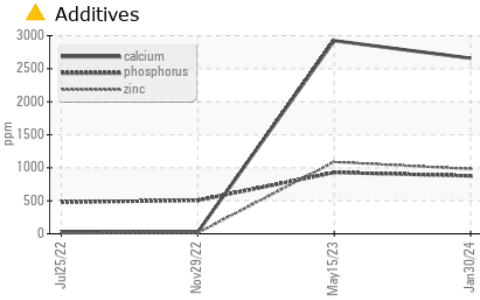
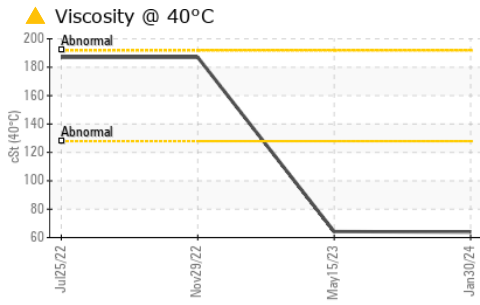
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>11</b>	10	14
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</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	>0.1	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m	>51	<b>&lt;1</b>	<1	2
Boron	ppm	ASTM D5185m		<b>▲ 22</b>	▲ 19	66
Barium	ppm	ASTM D5185m		<b>2</b>	0	7
Molybdenum	ppm	ASTM D5185m		<b>2</b>	2	0
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	3
Magnesium	ppm	ASTM D5185m		<b>▲ 90</b>	▲ 95	0
Calcium	ppm	ASTM D5185m		<b>▲ 2658</b>	▲ 2924	25
Phosphorus	ppm	ASTM D5185m		<b>▲ 877</b>	▲ 928	506
Zinc	ppm	ASTM D5185m		<b>▲ 981</b>	▲ 1087	13
Sulfur	ppm	ASTM D5185m		<b>▲ 4556</b>	▲ 6094	17700
Visc @ 40°C	cSt	ASTM D445		<b>▲ 63.9</b>	▲ 64.2	187



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0044817 **Received** : 01 Feb 2024  
**Lab Number** : 06077140 **Tested** : 02 Feb 2024  
**Unique Number** : 10859231 **Diagnosed** : 03 Feb 2024 - 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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