



# OIL ANALYSIS REPORT

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



Area  
**[147844]**  
 Machine Id  
**JOHN DEERE 210G 1FF210GXCMF529694**  
 Component  
**Swing Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (2 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0048094</b>	LEC0042450	LEC0035734
Sample Date		Client Info		<b>21 Feb 2024</b>	31 May 2023	28 Nov 2022
Machine Age	hrs	Client Info		<b>1369</b>	831	412
Oil Age	hrs	Client Info		<b>538</b>	831	412
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	None	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>39</b>	47	40
Iron	ppm	ASTM D5185m	>151	<b>64</b>	63	48
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	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>&lt;1</b>	0	<1
Lead	ppm	ASTM D5185m	>51	<b>1</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	<1	0
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
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

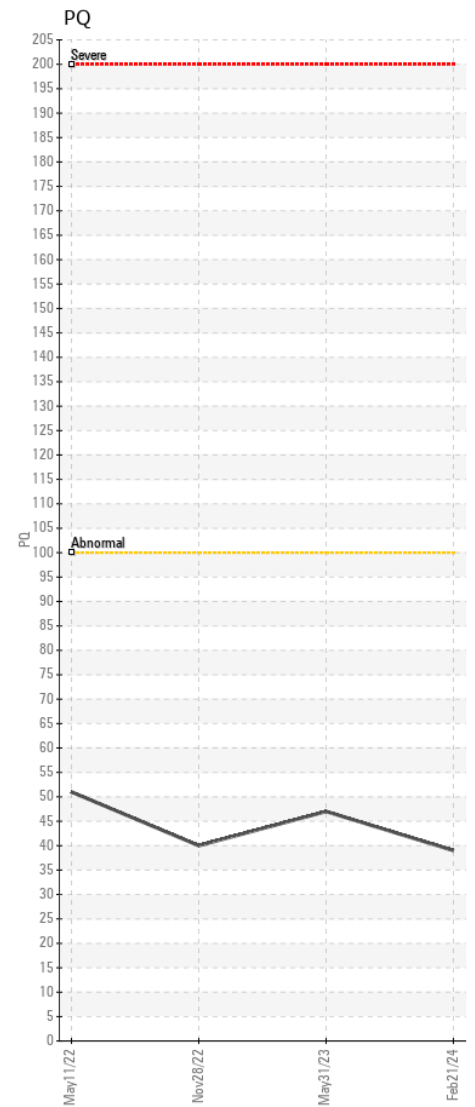
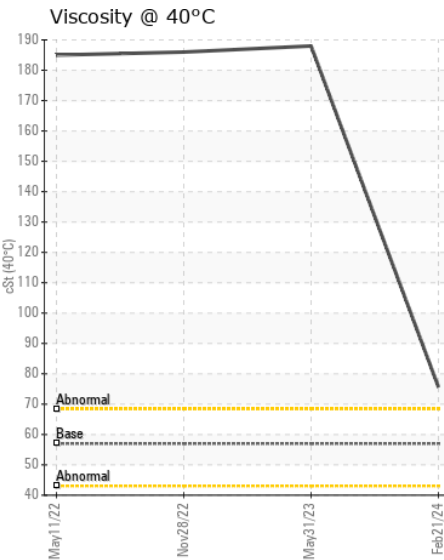
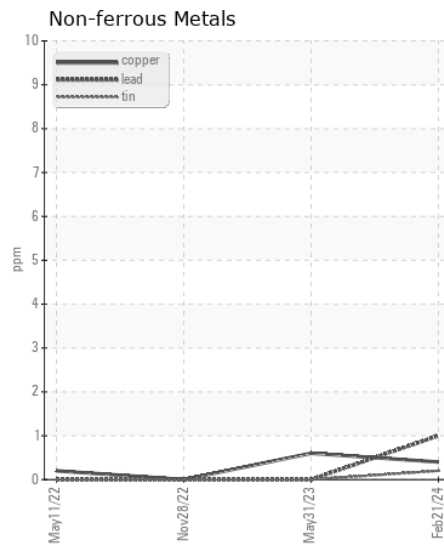
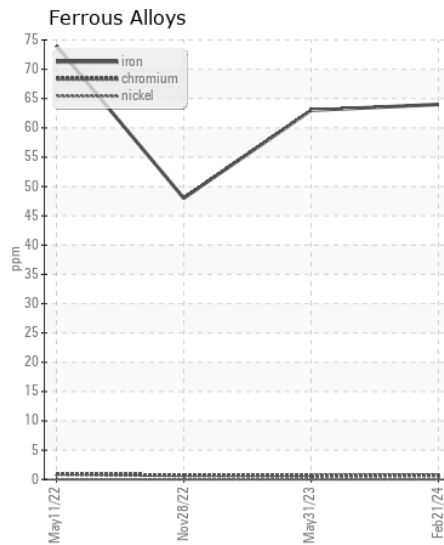
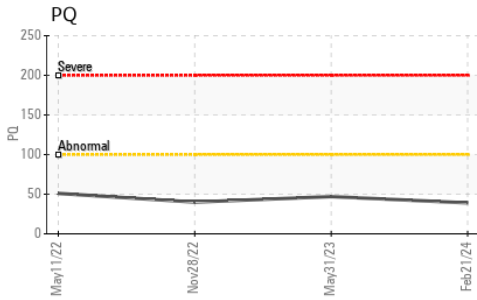
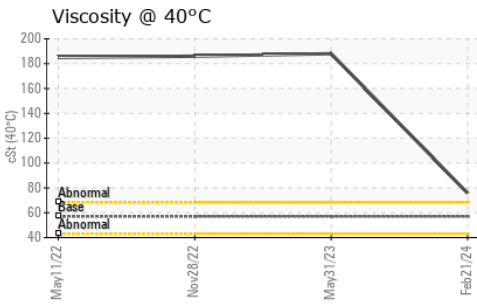
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>16</b>	18	17
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	0
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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>2</b>	2	0
Boron	ppm	ASTM D5185m	6	<b>29</b>	76	88
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	8
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	0	0
Manganese	ppm	ASTM D5185m		<b>1</b>	2	2
Magnesium	ppm	ASTM D5185m	145	<b>80</b>	1	0
Calcium	ppm	ASTM D5185m	3570	<b>2360</b>	127	15
Phosphorus	ppm	ASTM D5185m	1290	<b>857</b>	463	488
Zinc	ppm	ASTM D5185m	1640	<b>870</b>	25	7
Sulfur	ppm	ASTM D5185m		<b>6212</b>	15507	16470
Visc @ 40°C	cSt	ASTM D445	57.0	<b>75.7</b>	188	186



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0048094 **Received** : 23 Feb 2024  
**Lab Number** : 06099438 **Tested** : 27 Feb 2024  
**Unique Number** : 10897668 **Diagnosed** : 27 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  
 KendalLeanne@lec1.com

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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