



# OIL ANALYSIS REPORT

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



Machine Id  
**JOHN DEERE 210GLC 1FF210GXTNF529858**  
Component  
**Swing Drive**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (2 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. Please note that this is a corrected copy.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0051630</b>	LEC0047037	LEC0043775
Sample Date		Client Info		<b>10 Jun 2024</b>	15 Jan 2024	02 Aug 2023
Machine Age	hrs	Client Info		<b>1937</b>	1445	915
Oil Age	hrs	Client Info		<b>1022</b>	530	915
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	None
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>38</b>	31	33
Iron	ppm	ASTM D5185m	>151	<b>62</b>	42	62
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>1</b>	2	<1
Lead	ppm	ASTM D5185m	>51	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

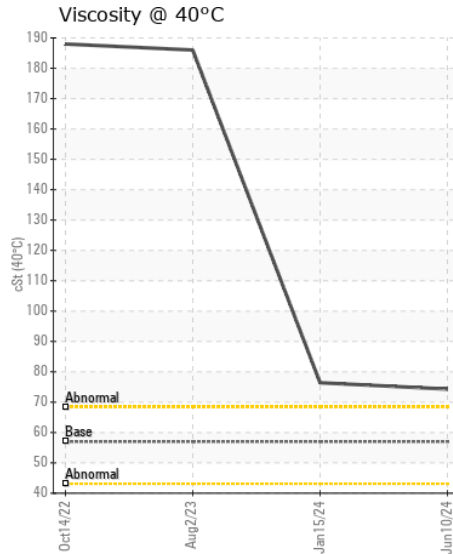
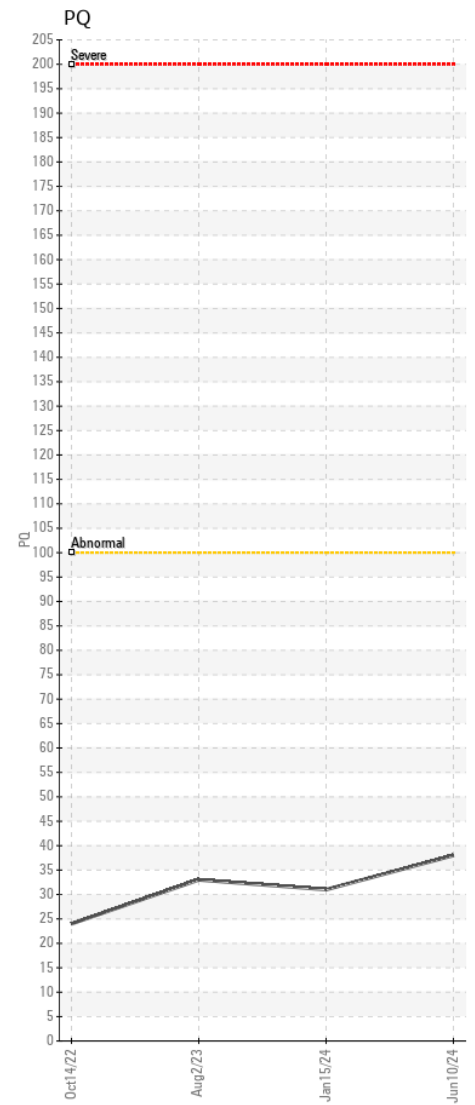
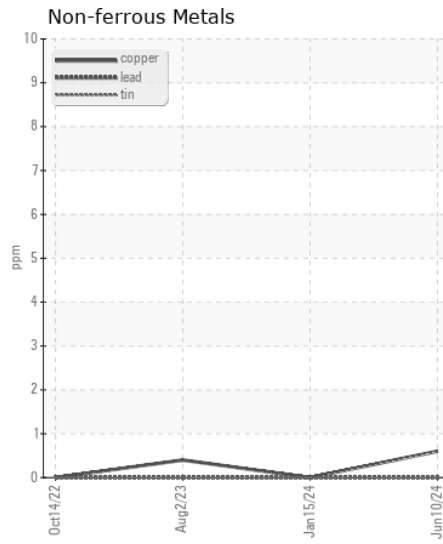
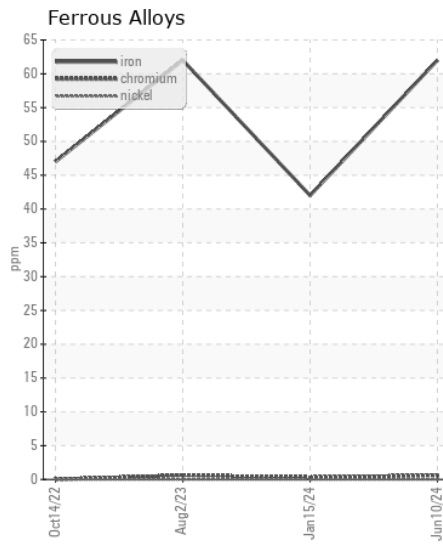
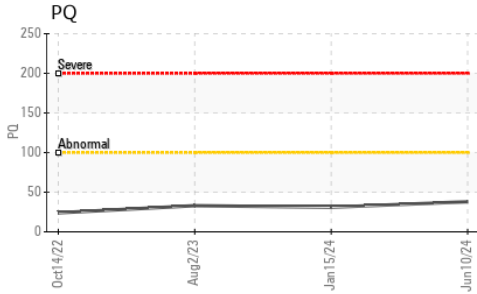
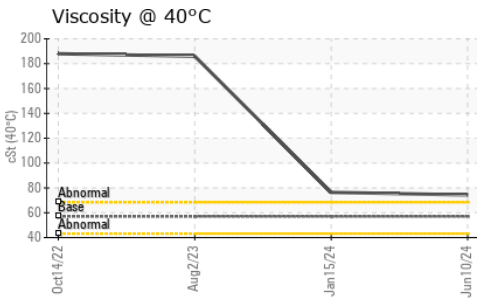
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>16</b>	12	16
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	2
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>3</b>	0	2
Boron	ppm	ASTM D5185m	6	<b>33</b>	37	82
Barium	ppm	ASTM D5185m	0	<b>2</b>	5	5
Molybdenum	ppm	ASTM D5185m	0	<b>6</b>	6	0
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	2
Magnesium	ppm	ASTM D5185m	145	<b>95</b>	94	5
Calcium	ppm	ASTM D5185m	3570	<b>2564</b>	2435	42
Phosphorus	ppm	ASTM D5185m	1290	<b>918</b>	867	505
Zinc	ppm	ASTM D5185m	1640	<b>937</b>	932	22
Sulfur	ppm	ASTM D5185m		<b>7583</b>	7029	18054
Visc @ 40°C	cSt	ASTM D445	57.0	<b>74.3</b>	76.4	186



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0051630 **Received** : 17 Jun 2024  
**Lab Number** : 06212059 **Tested** : 18 Jun 2024  
**Unique Number** : 11084923 **Diagnosed** : 19 Jun 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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