



# OIL ANALYSIS REPORT

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



Area  
**[RO#145534]**  
 Machine Id  
**JOHN DEERE 210GLC 1FF210GXTNF529858**  
 Component  
**Left Propel Gearbox**  
 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>LEC0047034</b>	LEC0043773	LEC0036219
Sample Date		Client Info		<b>15 Jan 2024</b>	02 Aug 2023	14 Oct 2022
Machine Age	hrs	Client Info		<b>1445</b>	915	368
Oil Age	hrs	Client Info		<b>530</b>	547	368
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	None	None
Sample Status				<b>NORMAL</b>	ATTENTION	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>98</b>	148	162
Iron	ppm	ASTM D5185m	>1250	<b>163</b>	347	150
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	5	2
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m		<b>2</b>	2	<1
Lead	ppm	ASTM D5185m		<b>0</b>	<1	0
Copper	ppm	ASTM D5185m		<b>&lt;1</b>	2	<1
Tin	ppm	ASTM D5185m		<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

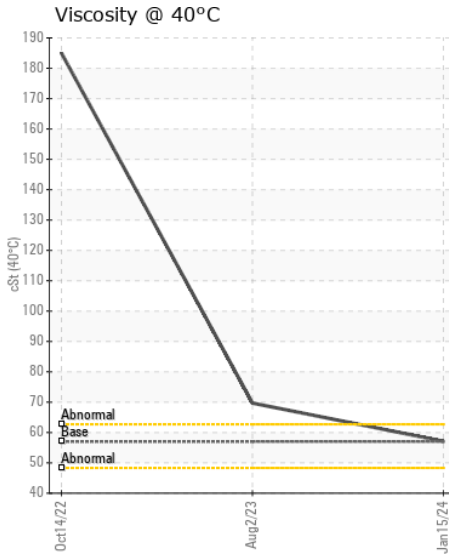
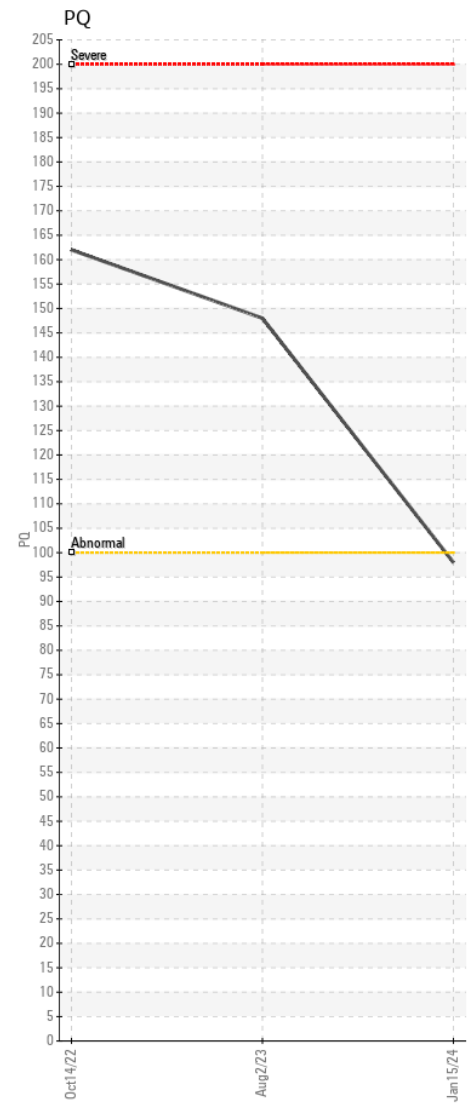
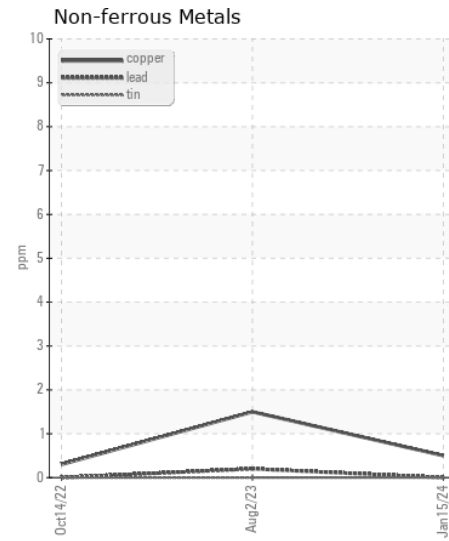
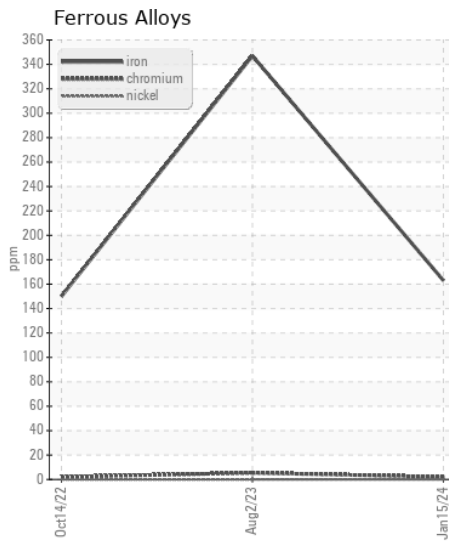
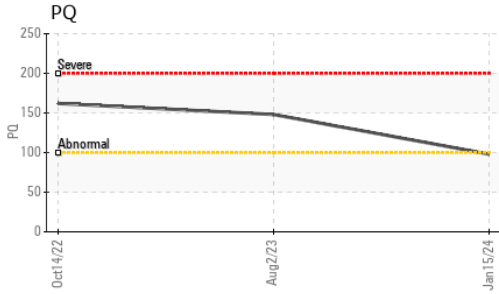
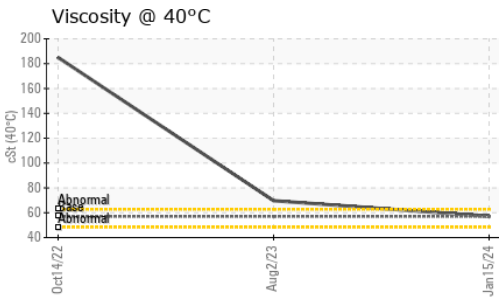
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<b>12</b>	23	14
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	MODER	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	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>0</b>	1	0
Boron	ppm	ASTM D5185m	6	<b>18</b>	44	34
Barium	ppm	ASTM D5185m	0	<b>3</b>	2	0
Molybdenum	ppm	ASTM D5185m	0	<b>10</b>	3	0
Manganese	ppm	ASTM D5185m		<b>2</b>	5	4
Magnesium	ppm	ASTM D5185m	145	<b>131</b>	▲ 89	0
Calcium	ppm	ASTM D5185m	3570	<b>3164</b>	▲ 2681	0
Phosphorus	ppm	ASTM D5185m	1290	<b>990</b>	▲ 882	346
Zinc	ppm	ASTM D5185m	1640	<b>1204</b>	▲ 977	6
Sulfur	ppm	ASTM D5185m		<b>4354</b>	▲ 6880	11814
Visc @ 40°C	cSt	ASTM D445	57.0	<b>57.1</b>	▲ 69.7	185



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0047034 **Received** : 18 Jan 2024  
**Lab Number** : 06064583 **Diagnosed** : 19 Jan 2024  
**Unique Number** : 10835965 **Diagnostician** : Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
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 MARIETTA, OH  
 US 45750-9765  
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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)