



# OIL ANALYSIS REPORT

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



Area  
**Store 4 - Fairmont**  
Machine Id  
**JOHN DEERE 210G 1FF210GXKNF530219**  
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>LEC0049698</b>	LEC0043262	LEC0038119
Sample Date		Client Info		<b>13 Mar 2024</b>	26 Jun 2023	03 Jan 2023
Machine Age	hrs	Client Info		<b>1781</b>	1006	621
Oil Age	hrs	Client Info		<b>775</b>	385	621
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>None</b>	None	N/A
Sample Status				<b>NORMAL</b>	ATTENTION	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>158</b>	65	88
Iron	ppm	ASTM D5185m	>1250	<b>181</b>	107	151
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	2	3
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m		<b>5</b>	0	2
Lead	ppm	ASTM D5185m		<b>0</b>	0	<1
Copper	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185m		<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

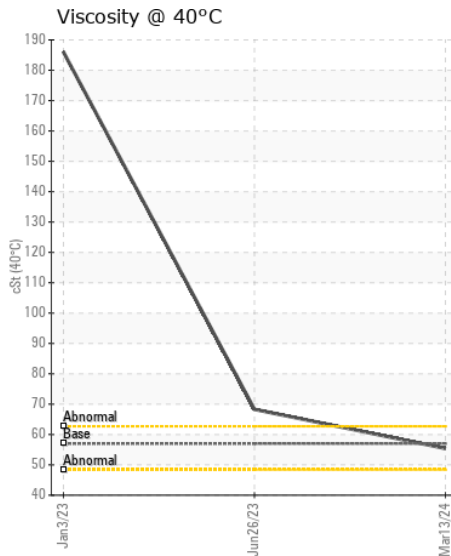
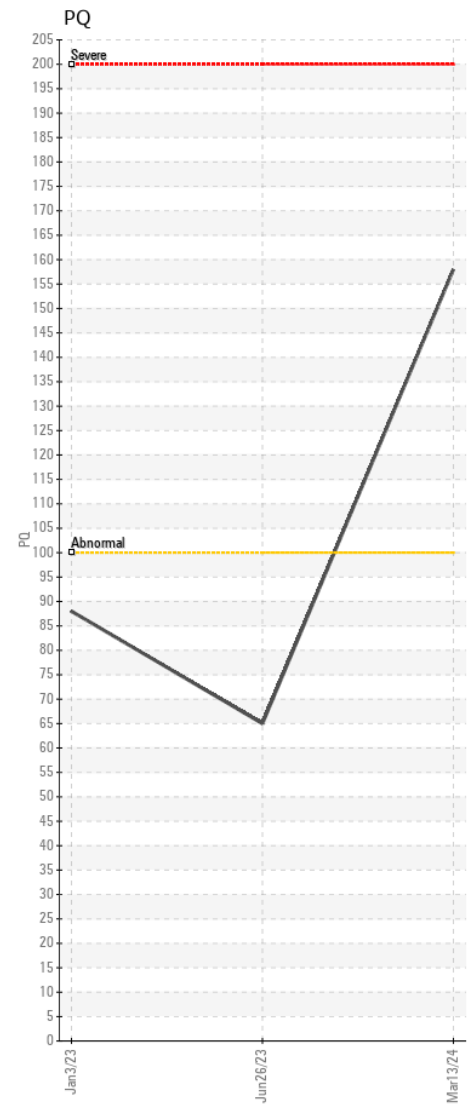
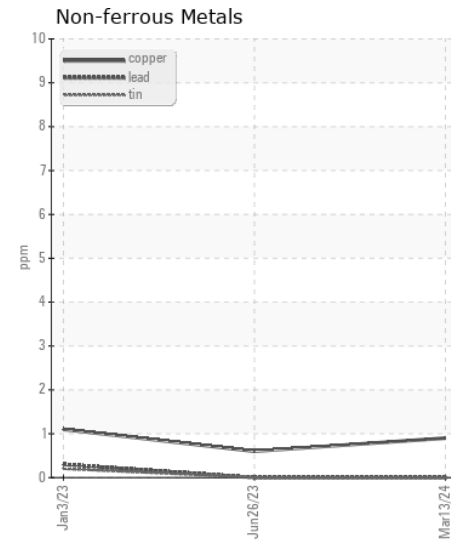
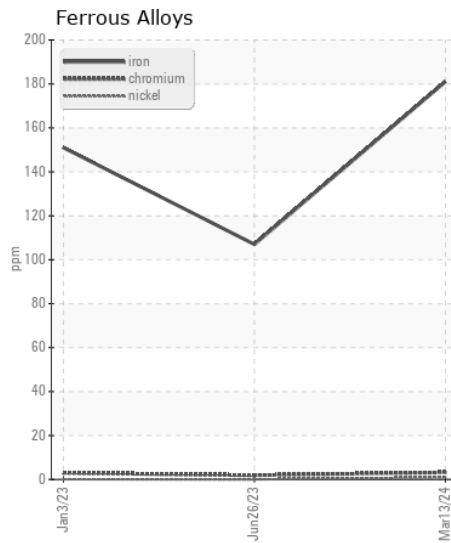
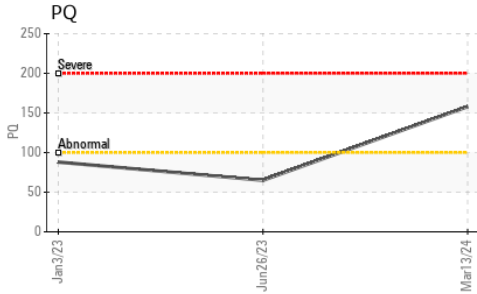
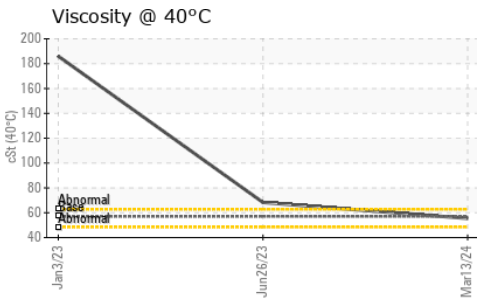
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<b>29</b>	14	14
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	MODER
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>	0	0
Boron	ppm	ASTM D5185m	6	<b>9</b>	29	67
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>4</b>	<1	1
Manganese	ppm	ASTM D5185m		<b>3</b>	2	3
Magnesium	ppm	ASTM D5185m	145	<b>107</b>	80	8
Calcium	ppm	ASTM D5185m	3570	<b>3300</b>	2953	17
Phosphorus	ppm	ASTM D5185m	1290	<b>950</b>	929	497
Zinc	ppm	ASTM D5185m	1640	<b>1188</b>	1015	22
Sulfur	ppm	ASTM D5185m		<b>3862</b>	6691	18441
Visc @ 40°C	cSt	ASTM D445	57.0	<b>55.4</b>	68.3	186



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0049698 **Received** : 19 Mar 2024  
**Lab Number** : 06122719 **Tested** : 20 Mar 2024  
**Unique Number** : 10936870 **Diagnosed** : 20 Mar 2024 - Wes Davis  
**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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