



# OIL ANALYSIS REPORT

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



Area  
**Store 9 - Marietta**  
Machine Id  
**JOHN DEERE 210G 1FF210GXJNF530240**  
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>LEC0047356</b>	LEC0044116	LEC0040096
Sample Date		Client Info		<b>11 Jan 2024</b>	28 Aug 2023	07 Apr 2023
Machine Age	hrs	Client Info		<b>1638</b>	1127	614
Oil Age	hrs	Client Info		<b>511</b>	1127	614
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>None</b>	None	None
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>53</b>	58	127
Iron	ppm	ASTM D5185m	>151	<b>71</b>	114	133
Chromium	ppm	ASTM D5185m	>11	<b>1</b>	3	3
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	>21	<b>&lt;1</b>	2	0
Lead	ppm	ASTM D5185m	>51	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

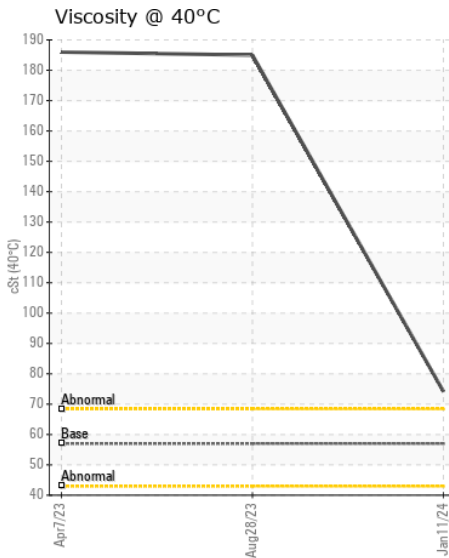
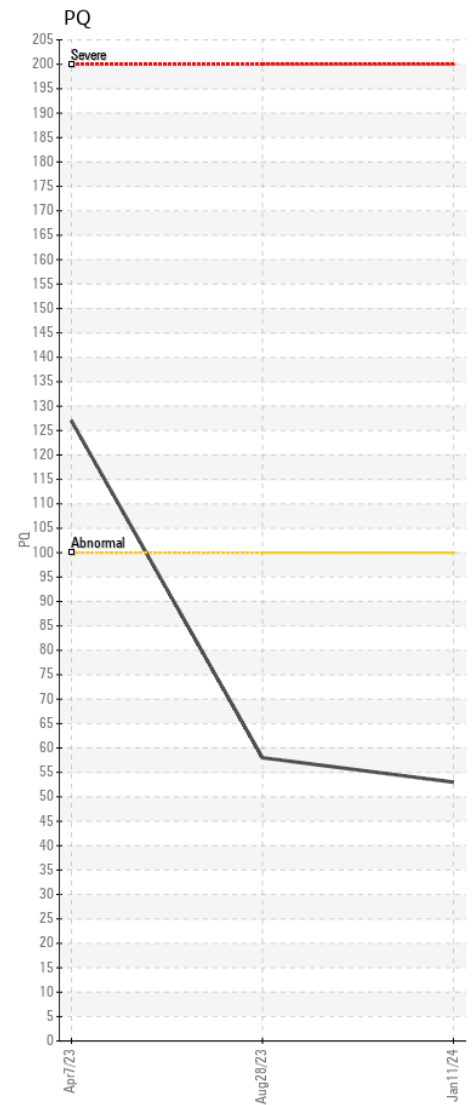
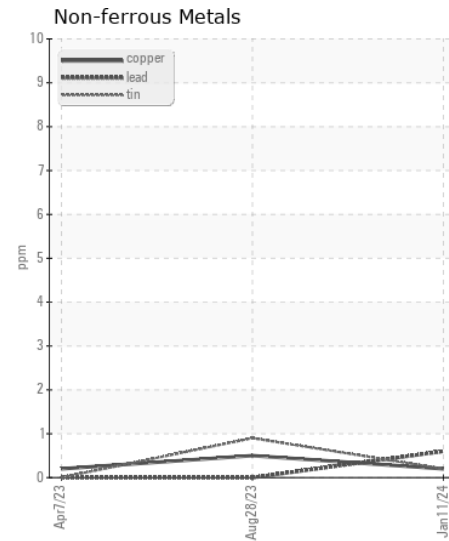
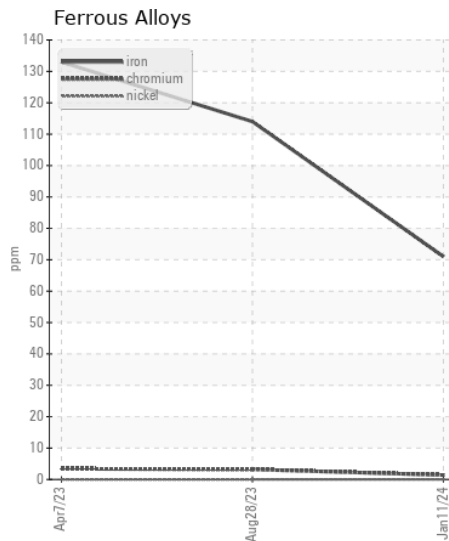
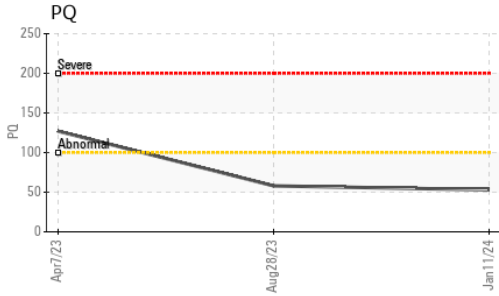
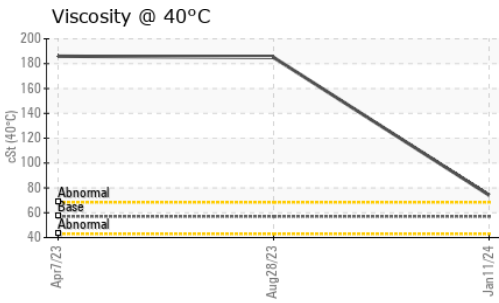
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>12</b>	18	16
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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>&lt;1</b>	2	<1
Boron	ppm	ASTM D5185m	6	<b>35</b>	83	72
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	3
Molybdenum	ppm	ASTM D5185m	0	<b>4</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	4	4
Magnesium	ppm	ASTM D5185m	145	<b>92</b>	0	2
Calcium	ppm	ASTM D5185m	3570	<b>2532</b>	48	16
Phosphorus	ppm	ASTM D5185m	1290	<b>930</b>	541	464
Zinc	ppm	ASTM D5185m	1640	<b>949</b>	0	8
Sulfur	ppm	ASTM D5185m		<b>6485</b>	19350	13926
Visc @ 40°C	cSt	ASTM D445	57.0	<b>74.2</b>	185	186



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0047356 **Received** : 17 Jan 2024  
**Lab Number** : 06063878 **Diagnosed** : 20 Jan 2024  
**Unique Number** : 10835260 **Diagnostician** : Don Baldrige  
**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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