



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area  
**Store 4 - Fairmont**  
Machine Id  
**JOHN DEERE 210G 1FF210GXCKF527836**  
Component  
**Right Propel Gearbox**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (2 GAL)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0051050	LEC0045365	LEC0039605
Sample Date		Client Info		20 Jun 2024	28 Sep 2023	03 Mar 2023
Machine Age	hrs	Client Info		3579	2878	2404
Oil Age	hrs	Client Info		701	474	454
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	None
Sample Status				ATTENTION	NORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		142	162	307
Iron	ppm	ASTM D5185m	>1250	183	101	393
Chromium	ppm	ASTM D5185m	>10	2	2	4
Nickel	ppm	ASTM D5185m	>10	1	<1	2
Titanium	ppm	ASTM D5185m		1	<1	3
Silver	ppm	ASTM D5185m		<1	3	0
Aluminum	ppm	ASTM D5185m		8	13	45
Lead	ppm	ASTM D5185m		<1	0	0
Copper	ppm	ASTM D5185m		1	0	<1
Tin	ppm	ASTM D5185m		<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

## CONTAMINATION

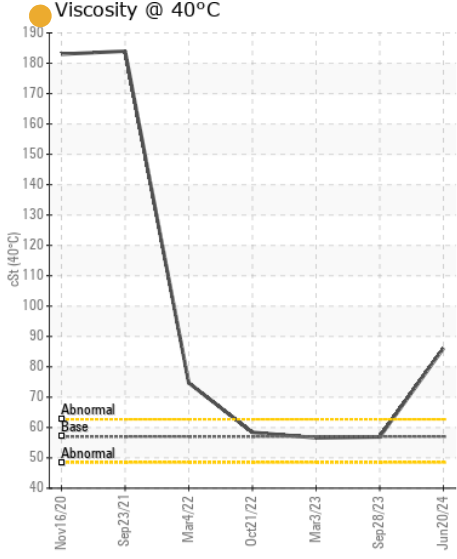
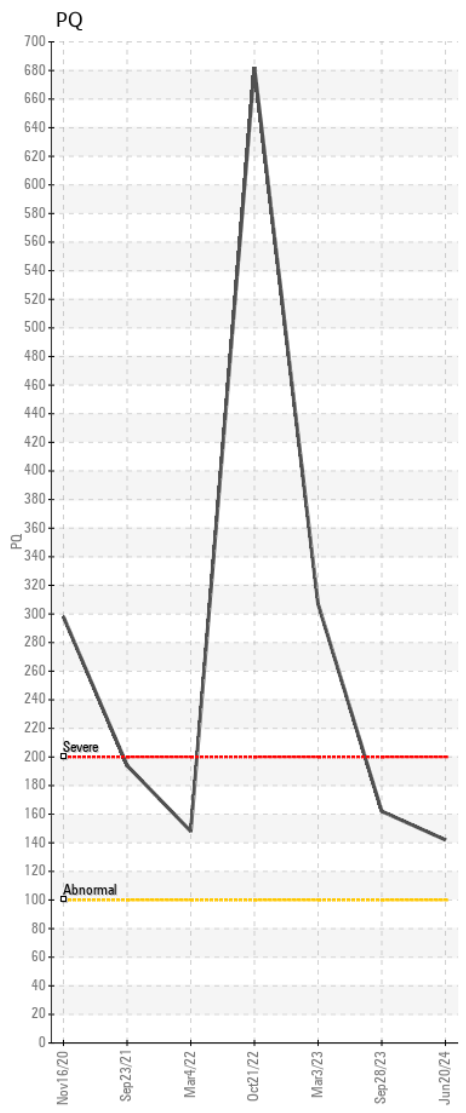
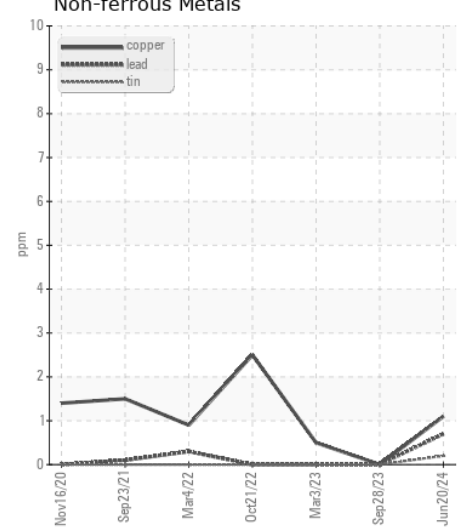
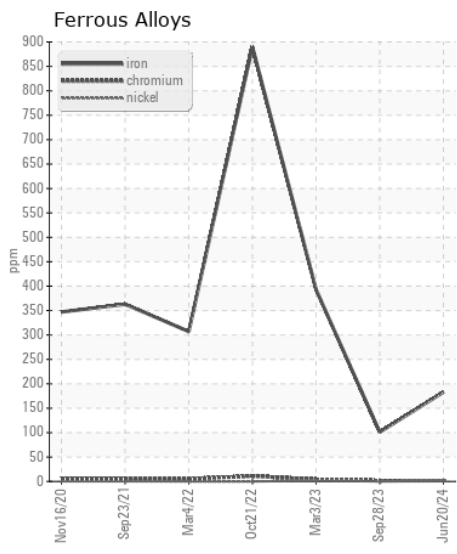
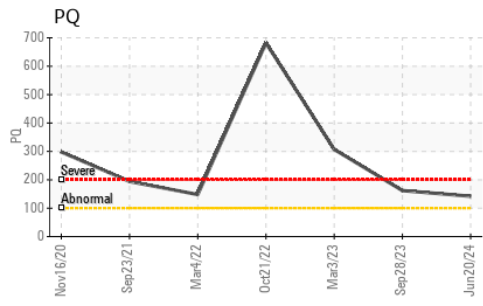
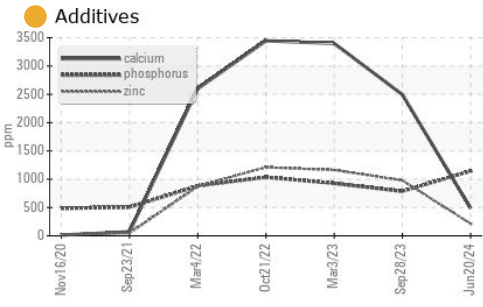
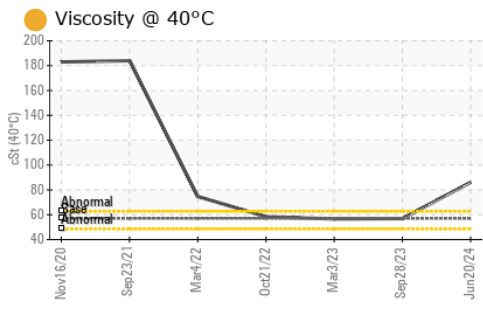
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		49	41	143
Potassium	ppm	ASTM D5185m	>20	4	2	10
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	MODER	LIGHT
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

## FLUID CONDITION

The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		0	<1	2
Boron	ppm	ASTM D5185m	6	148	10	6
Barium	ppm	ASTM D5185m	0	1	0	0
Molybdenum	ppm	ASTM D5185m	0	2	3	4
Manganese	ppm	ASTM D5185m		2	1	4
Magnesium	ppm	ASTM D5185m	145	21	102	106
Calcium	ppm	ASTM D5185m	3570	486	2495	3398
Phosphorus	ppm	ASTM D5185m	1290	1144	787	927
Zinc	ppm	ASTM D5185m	1640	215	978	1162
Sulfur	ppm	ASTM D5185m		17480	2748	3635
Visc @ 40°C	cSt	ASTM D445	57.0	86.1	56.9	56.6



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0051050 **Received** : 25 Jun 2024  
**Lab Number** : 06219981 **Tested** : 26 Jun 2024  
**Unique Number** : 11098178 **Diagnosed** : 26 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
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Certificate L2367  
 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)