



# OIL ANALYSIS REPORT

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



Area  
**Store 4 - Fairmont [151139]**  
Machine Id  
**JOHN DEERE 210G 1FF210GXVNF529768**  
Component  
**Pump Drive**  
Fluid  
**JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0045144</b>	LEC0043564	LEC0033455
Sample Date		Client Info		<b>20 May 2024</b>	07 Nov 2023	12 Sep 2022
Machine Age	hrs	Client Info		<b>2636</b>	1998	338
Oil Age	hrs	Client Info		<b>638</b>	1998	338
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>N/A</b>	N/A	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>17</b>	7	12
Iron	ppm	ASTM D5185m	>151	<b>33</b>	51	37
Chromium	ppm	ASTM D5185m	>11	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>21	<b>5</b>	4	1
Lead	ppm	ASTM D5185m	>51	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>51	<b>0</b>	<1	2
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

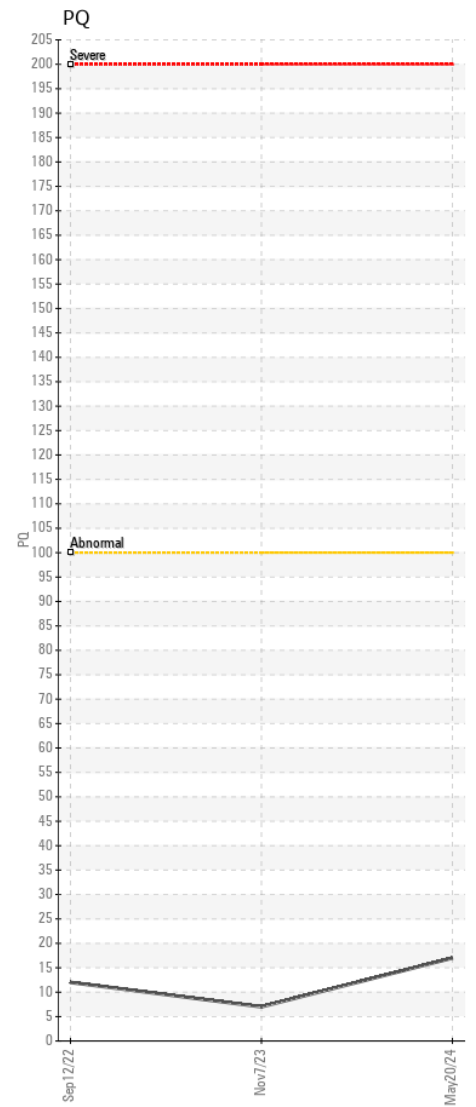
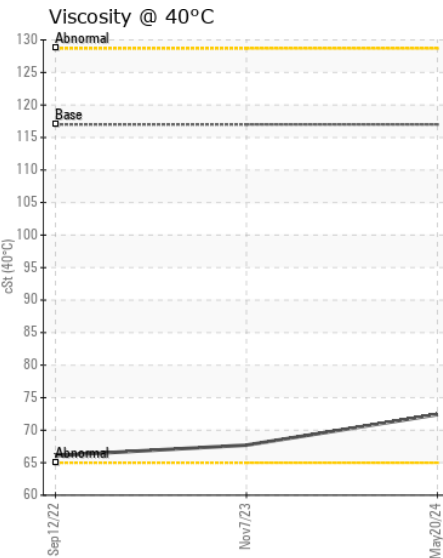
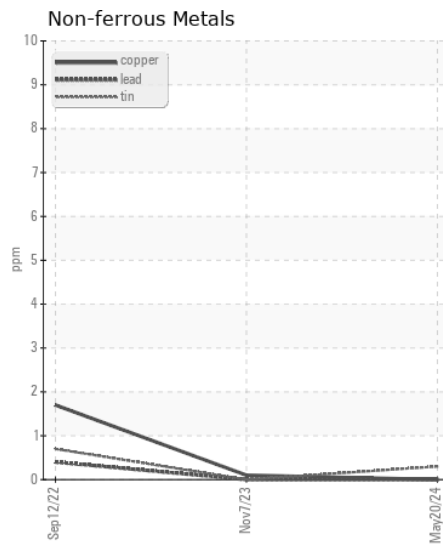
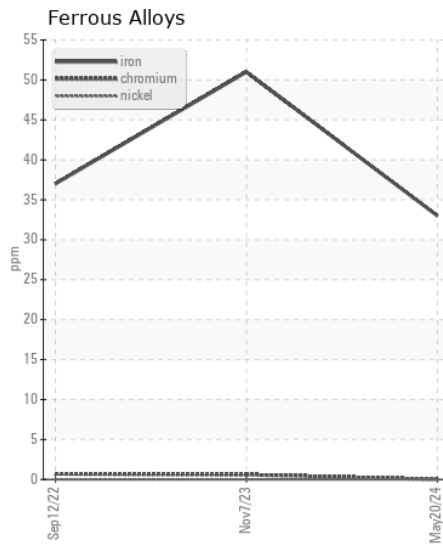
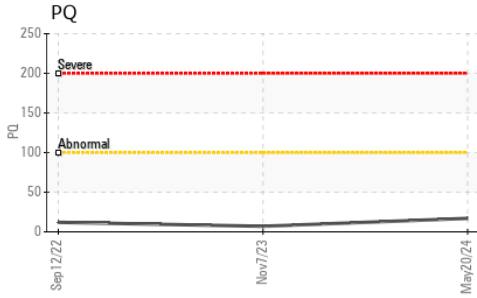
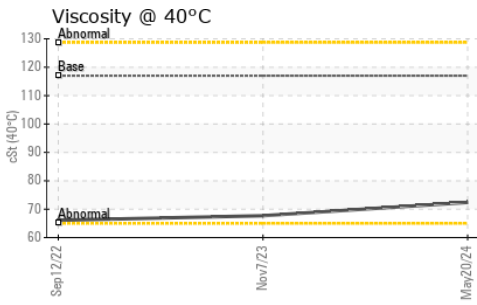
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>10</b>	13	11
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
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>1</b>	3	4
Boron	ppm	ASTM D5185m		<b>309</b>	276	75
Barium	ppm	ASTM D5185m		<b>0</b>	3	4
Molybdenum	ppm	ASTM D5185m		<b>250</b>	226	106
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	4
Magnesium	ppm	ASTM D5185m		<b>796</b>	636	19
Calcium	ppm	ASTM D5185m		<b>1533</b>	1456	4055
Phosphorus	ppm	ASTM D5185m		<b>981</b>	918	1113
Zinc	ppm	ASTM D5185m		<b>1101</b>	1006	1315
Sulfur	ppm	ASTM D5185m		<b>3760</b>	3235	8228
Visc @ 40°C	cSt	ASTM D445	117	<b>72.4</b>	67.7	66.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0045144 **Received** : 22 May 2024  
**Lab Number** : 06187973 **Tested** : 24 May 2024  
**Unique Number** : 11044725 **Diagnosed** : 24 May 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
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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)

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