



# OIL ANALYSIS REPORT

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



Area  
**Store 2 - Beaver [RO#152712]**  
Machine Id  
**JOHN DEERE 210G 1FF210GXCHF525223**  
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>LEC0051317</b>	LEC0008845	LECP185757
Sample Date		Client Info		<b>09 Jul 2024</b>	26 Mar 2020	12 Sep 2018
Machine Age	hrs	Client Info		<b>4051</b>	1426	374
Oil Age	hrs	Client Info		<b>4051</b>	1000	374
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>21</b>	22	20
Iron	ppm	ASTM D5185m	>151	<b>78</b>	102	37
Chromium	ppm	ASTM D5185m	>11	<b>1</b>	2	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>9</b>	19	2
Lead	ppm	ASTM D5185m	>51	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

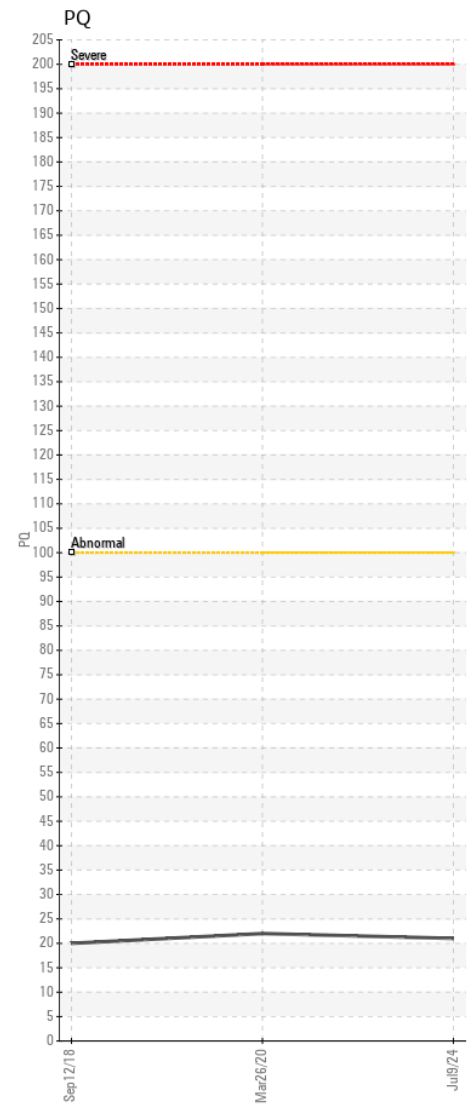
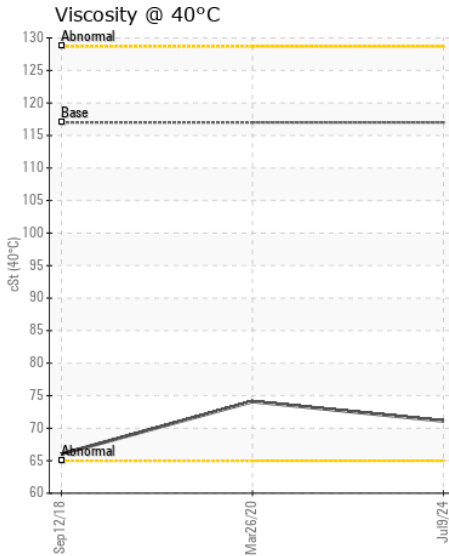
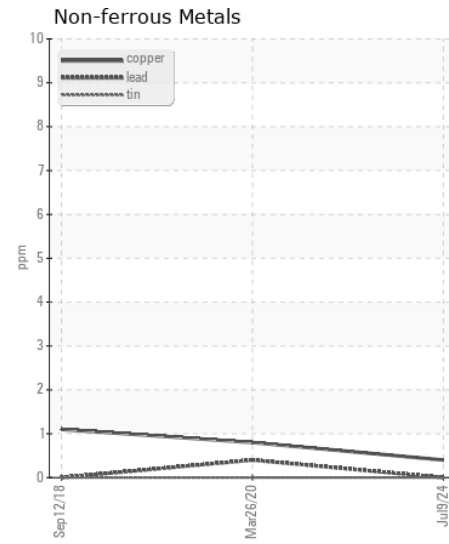
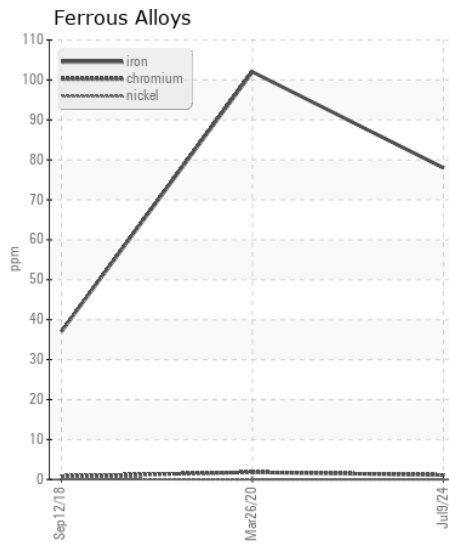
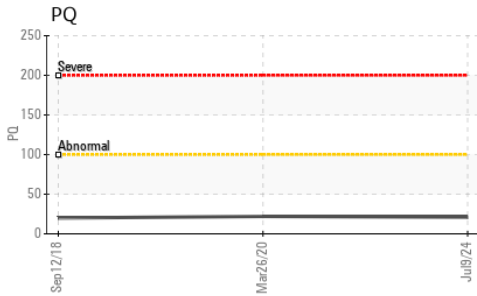
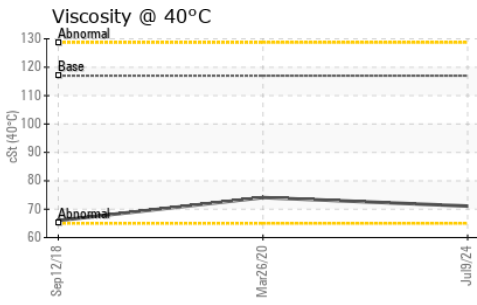
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>25</b>	▲ 45	12
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	6	7
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>0</b>	4	5
Boron	ppm	ASTM D5185m		<b>149</b>	101	52
Barium	ppm	ASTM D5185m		<b>2</b>	1	6
Molybdenum	ppm	ASTM D5185m		<b>140</b>	128	99
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	2
Magnesium	ppm	ASTM D5185m		<b>720</b>	229	15
Calcium	ppm	ASTM D5185m		<b>1525</b>	2756	4086
Phosphorus	ppm	ASTM D5185m		<b>1015</b>	986	1142
Zinc	ppm	ASTM D5185m		<b>1145</b>	990	1350
Sulfur	ppm	ASTM D5185m		<b>3200</b>	3927	7809
Visc @ 40°C	cSt	ASTM D445	117	<b>71.1</b>	74.1	66.03



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0051317 **Received** : 11 Jul 2024  
**Lab Number** : 06234085 **Tested** : 12 Jul 2024  
**Unique Number** : 11122919 **Diagnosed** : 12 Jul 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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