



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



Area  
**[05W46759]**  
 Machine Id  
**JOHN DEERE 210G 1FF210GXJNF530402**  
 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>JR0214478</b>	JR0208589	JR0189926
Sample Date		Client Info		<b>29 May 2024</b>	28 Feb 2024	16 Oct 2023
Machine Age	hrs	Client Info		<b>2035</b>	1478	962
Oil Age	hrs	Client Info		<b>1000</b>	516	962
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>19</b>	18	13
Iron	ppm	ASTM D5185m	>151	<b>48</b>	31	62
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>5</b>	4	3
Lead	ppm	ASTM D5185m	>51	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>51	<b>2</b>	<1	2
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

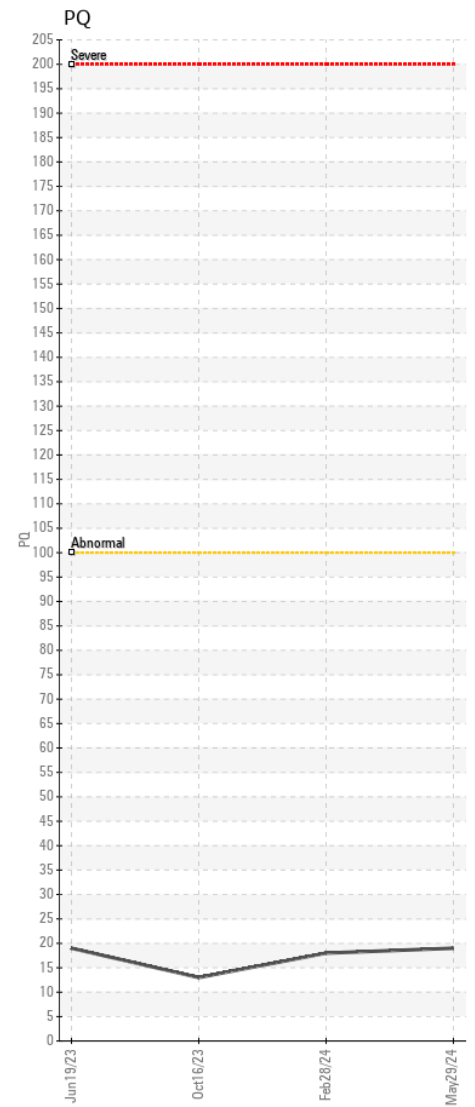
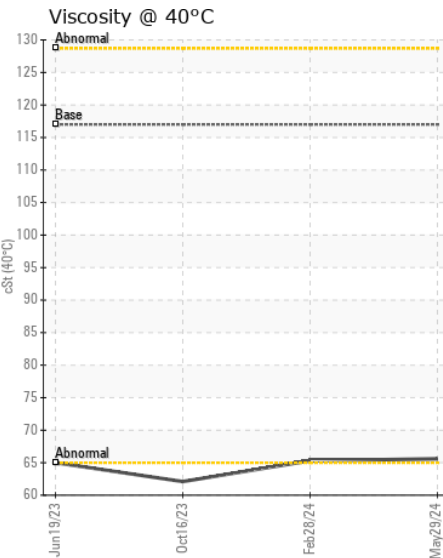
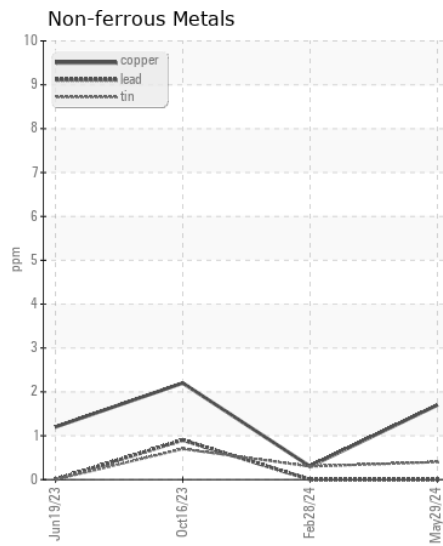
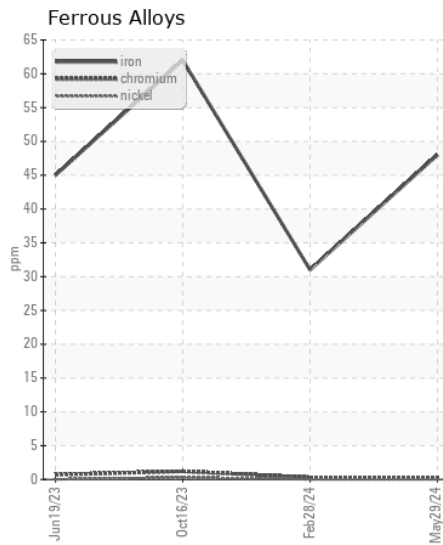
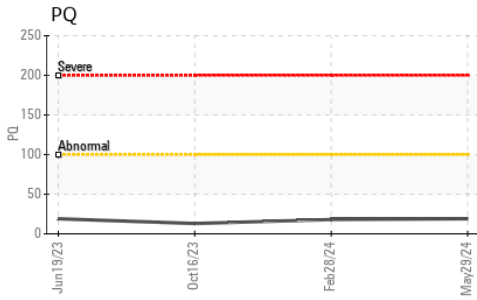
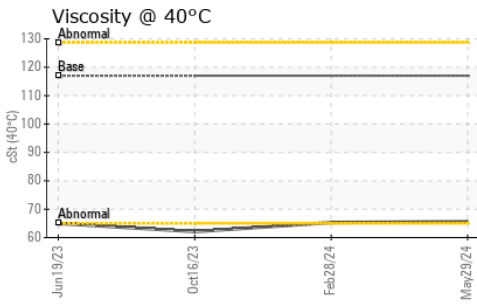
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>12</b>	9	13
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	4
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>3</b>	2	6
Boron	ppm	ASTM D5185m		<b>321</b>	209	59
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	7
Molybdenum	ppm	ASTM D5185m		<b>225</b>	185	105
Manganese	ppm	ASTM D5185m		<b>1</b>	1	4
Magnesium	ppm	ASTM D5185m		<b>749</b>	607	17
Calcium	ppm	ASTM D5185m		<b>1938</b>	1906	4098
Phosphorus	ppm	ASTM D5185m		<b>1075</b>	957	1282
Zinc	ppm	ASTM D5185m		<b>1181</b>	1116	1472
Sulfur	ppm	ASTM D5185m		<b>4670</b>	3790	8790
Visc @ 40°C	cSt	ASTM D445	117	<b>65.6</b>	65.3	62.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : JR0214478

**Lab Number** : 06196947

**Unique Number** : 11059070

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 31 May 2024

**Tested** : 03 Jun 2024

**Diagnosed** : 03 Jun 2024 - Wes Davis

**JRE - MANASSAS PARK**

9107 OWENS DRIVE

MANASSAS PARK, VA

US 20111

Contact: TECHNICIAN ACCOUNT

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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)