



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



Area  
**[05W45186]**  
 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>JR0208589</b>	JR0189926	JR0176225
Sample Date		Client Info		<b>28 Feb 2024</b>	16 Oct 2023	19 Jun 2023
Machine Age	hrs	Client Info		<b>1478</b>	962	486
Oil Age	hrs	Client Info		<b>516</b>	962	486
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	None
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>18</b>	13	19
Iron	ppm	ASTM D5185m	>151	<b>31</b>	62	45
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>4</b>	3	<1
Lead	ppm	ASTM D5185m	>51	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	2	1
Tin	ppm	ASTM D5185m	>4	<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

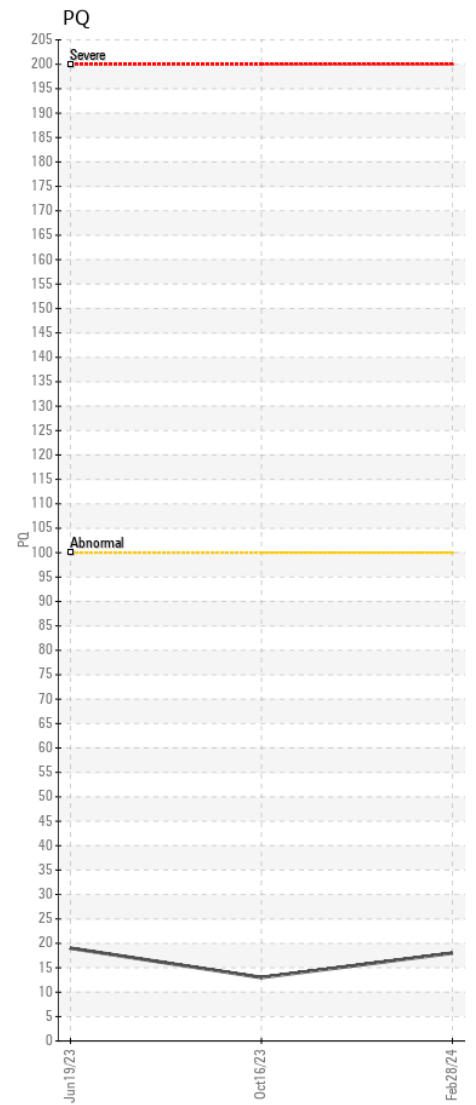
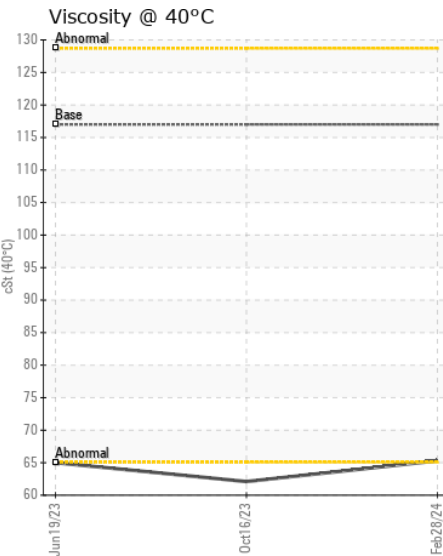
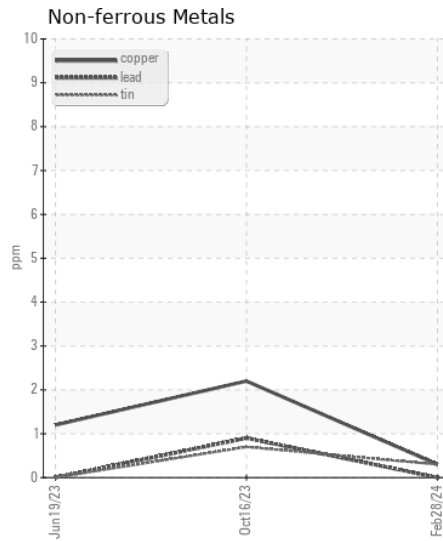
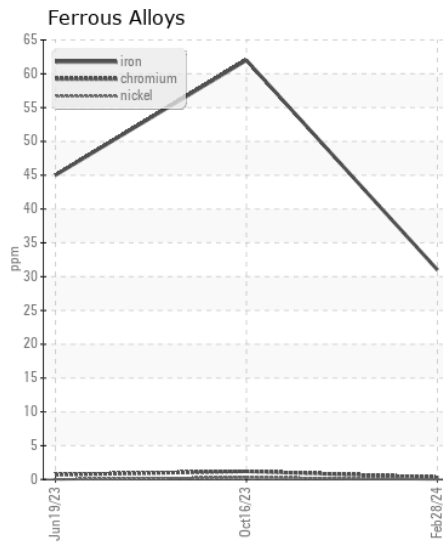
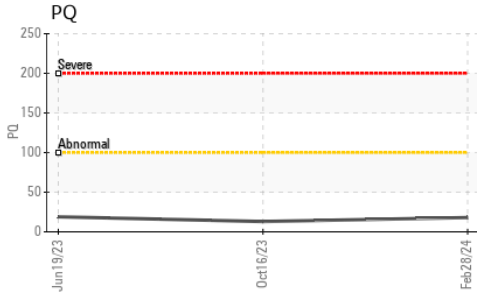
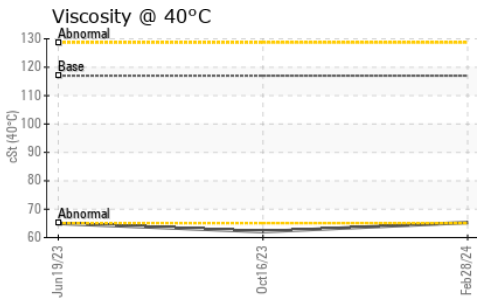
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>9</b>	13	11
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	4	3
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>2</b>	6	3
Boron	ppm	ASTM D5185m		<b>209</b>	59	66
Barium	ppm	ASTM D5185m		<b>0</b>	7	4
Molybdenum	ppm	ASTM D5185m		<b>185</b>	105	112
Manganese	ppm	ASTM D5185m		<b>1</b>	4	3
Magnesium	ppm	ASTM D5185m		<b>607</b>	17	15
Calcium	ppm	ASTM D5185m		<b>1906</b>	4098	4220
Phosphorus	ppm	ASTM D5185m		<b>957</b>	1282	1199
Zinc	ppm	ASTM D5185m		<b>1116</b>	1472	1384
Sulfur	ppm	ASTM D5185m		<b>3790</b>	8790	9612
Visc @ 40°C	cSt	ASTM D445	117	<b>65.3</b>	62.1	65.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0208589 **Received** : 29 Feb 2024  
**Lab Number** : 06105462 **Tested** : 01 Mar 2024  
**Unique Number** : 10903692 **Diagnosed** : 01 Mar 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - MANASSAS PARK**  
 9107 OWENS DRIVE  
 MANASSAS PARK, VA  
 US 20111

Contact: TECHNICIAN ACCOUNT  
 catherine.anastasio@wearcheck.com

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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