



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



Machine Id  
**JOHN DEERE 210G 1FF210GXPLF528983**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (8 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0221123</b>	JR0201038	JR0173752
Sample Date		Client Info		<b>08 Jul 2024</b>	29 Mar 2024	14 Jun 2023
Machine Age	hrs	Client Info		<b>2496</b>	2167	1516
Oil Age	hrs	Client Info		<b>329</b>	651	1516
Filter Age	hrs	Client Info		<b>0</b>	0	1516
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	SEVERE

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>104</b>	111	▲ 1462
Iron	ppm	ASTM D5185m	>750	<b>202</b>	105	▲ 3702
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	1	▲ 38
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	1	8
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	1	20
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>7</b>	4	● 128
Lead	ppm	ASTM D5185m	>15	<b>0</b>	1	0
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	1	7
Tin	ppm	ASTM D5185m	>10	<b>0</b>	1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	1
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

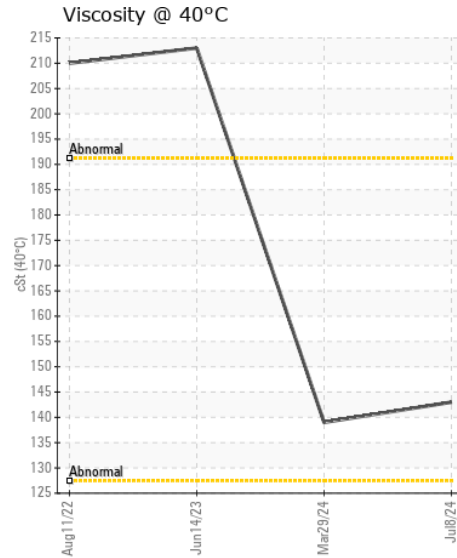
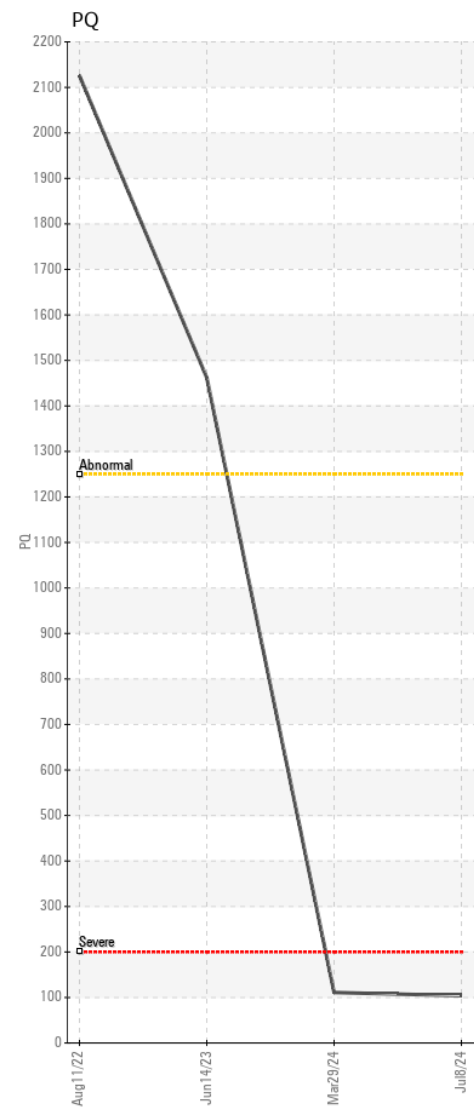
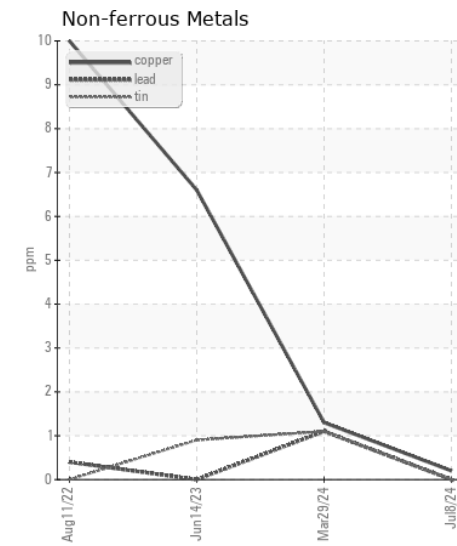
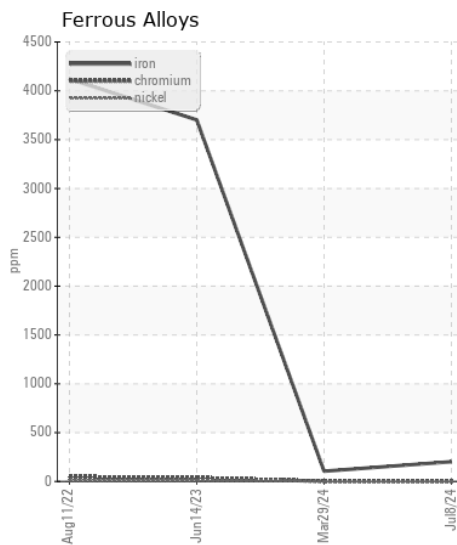
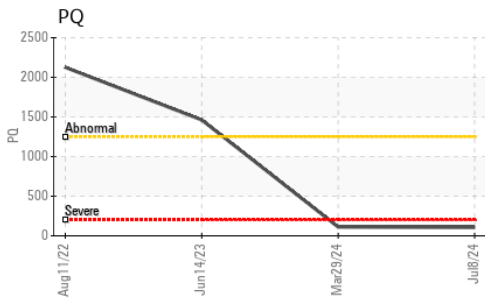
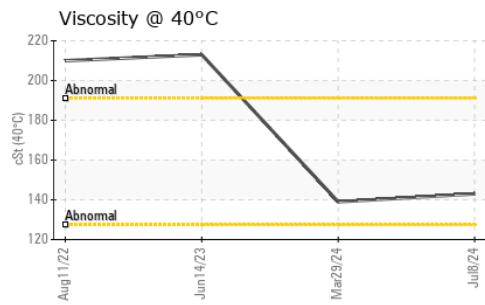
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>55</b>	53	▲ 1301
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	2	21
Water		WC Method	>0.075	<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	>0.075	<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>	0	3
Boron	ppm	ASTM D5185m		<b>14</b>	7	68
Barium	ppm	ASTM D5185m		<b>0</b>	0	6
Molybdenum	ppm	ASTM D5185m		<b>0</b>	7	5
Manganese	ppm	ASTM D5185m		<b>2</b>	2	35
Magnesium	ppm	ASTM D5185m		<b>2</b>	22	17
Calcium	ppm	ASTM D5185m		<b>49</b>	49	50
Phosphorus	ppm	ASTM D5185m		<b>1675</b>	332	498
Zinc	ppm	ASTM D5185m		<b>21</b>	25	28
Sulfur	ppm	ASTM D5185m		<b>26165</b>	21090	28254
Visc @ 40°C	cSt	ASTM D445		<b>143</b>	139	213



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0221123 **Received** : 09 Jul 2024  
**Lab Number** : 06231687 **Tested** : 10 Jul 2024  
**Unique Number** : 11115180 **Diagnosed** : 11 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - NEW BERN**  
 3816 MARTIN LUTHER KING BLVD  
 NEW BERN, NC  
 US 28562  
 Contact: NEW BERN SHOP  
 nick.etherdridge@jamesriverequipment.com; canastasio@wearcheckusa.com  
 T:  
 F:

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)