



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



Area  
**[W68120]**  
 Machine Id  
**JOHN DEERE 210G 1FF210GXPNF530543**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (2 GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: W68120 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0220051</b>	JR0188971	JR0170946
Sample Date		Client Info		<b>08 Jul 2024</b>	11 Dec 2023	27 Jun 2023
Machine Age	hrs	Client Info		<b>1471</b>	976	524
Oil Age	hrs	Client Info		<b>1471</b>	976	524
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>237</b>	249	38
Iron	ppm	ASTM D5185m	>750	<b>418</b>	369	71
Chromium	ppm	ASTM D5185m	>9	<b>7</b>	7	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>2</b>	1	0
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
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

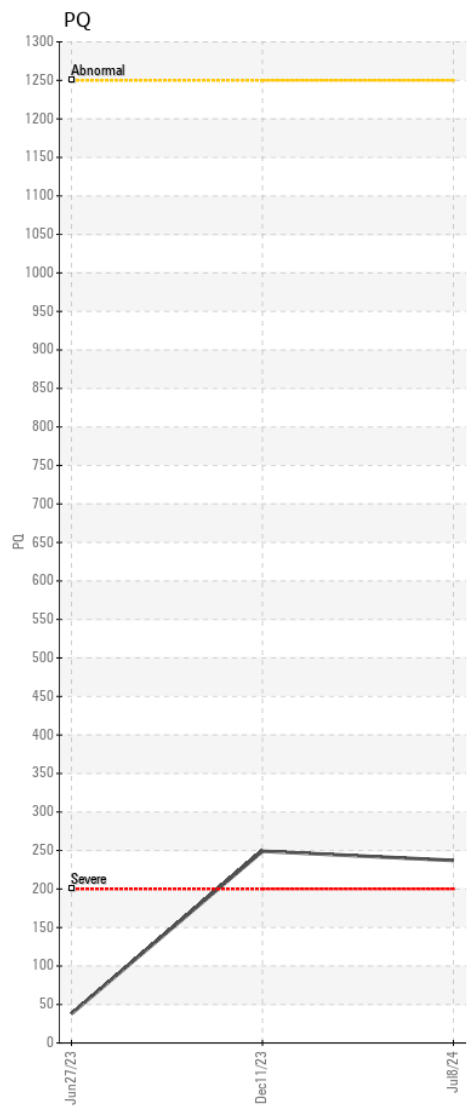
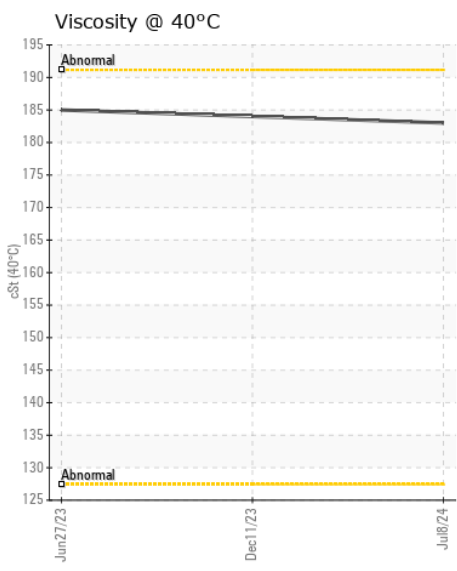
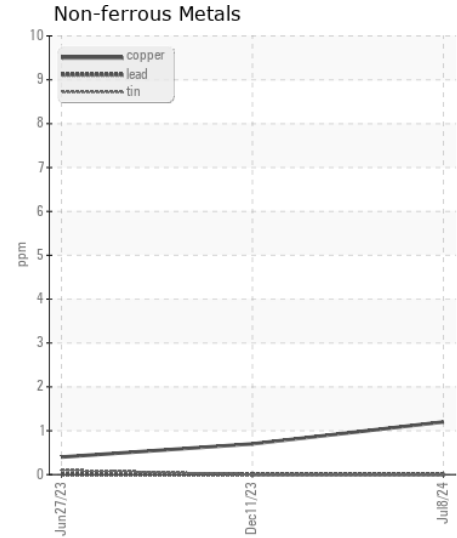
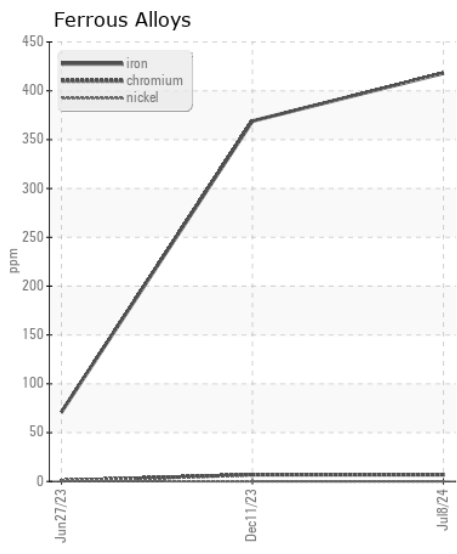
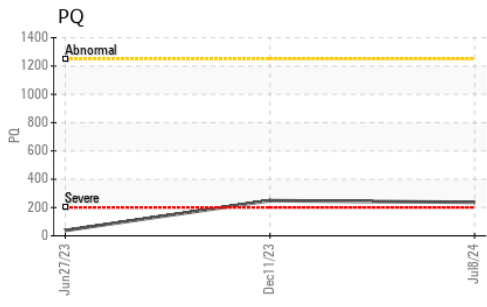
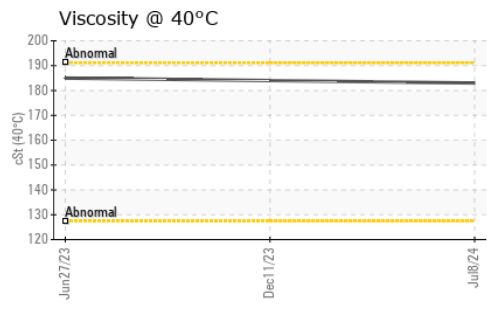
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>24</b>	24	21
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	3	2
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>▲ MODER</b>	LIGHT	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>	<1	0
Boron	ppm	ASTM D5185m		<b>43</b>	49	84
Barium	ppm	ASTM D5185m		<b>8</b>	5	7
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>8</b>	8	2
Magnesium	ppm	ASTM D5185m		<b>2</b>	2	2
Calcium	ppm	ASTM D5185m		<b>12</b>	24	44
Phosphorus	ppm	ASTM D5185m		<b>492</b>	527	492
Zinc	ppm	ASTM D5185m		<b>25</b>	14	14
Sulfur	ppm	ASTM D5185m		<b>16381</b>	15234	15414
Visc @ 40°C	cSt	ASTM D445		<b>183</b>	184	185



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0220051 **Received** : 10 Jul 2024  
**Lab Number** : 06232457 **Tested** : 11 Jul 2024  
**Unique Number** : 11115950 **Diagnosed** : 11 Jul 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**CARLTON'S BACKHOE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269  
 Contact: LEO

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)

T: (704)547-0211  
F: