



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



Machine Id  
**JOHN DEERE 210G 1ff210gxpnf529764**  
Component  
**Left Final Drive**  
Fluid  
**JOHN DEERE GL-5 80W90 (--- GAL)**

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0200756</b>	JR0166745	JR0153982
Sample Date		Client Info		<b>06 Feb 2024</b>	27 Sep 2023	08 May 2023
Machine Age	hrs	Client Info		<b>2630</b>	2141	1500
Oil Age	hrs	Client Info		<b>489</b>	2141	0
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	Not Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>169</b>	177	233
Iron	ppm	ASTM D5185m	>750	<b>459</b>	1155	685
Chromium	ppm	ASTM D5185m	>9	<b>6</b>	15	11
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	2	2
Titanium	ppm	ASTM D5185m		<b>2</b>	3	2
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>▲ 14</b>	▲ 16	▲ 13
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>1</b>	3	2
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

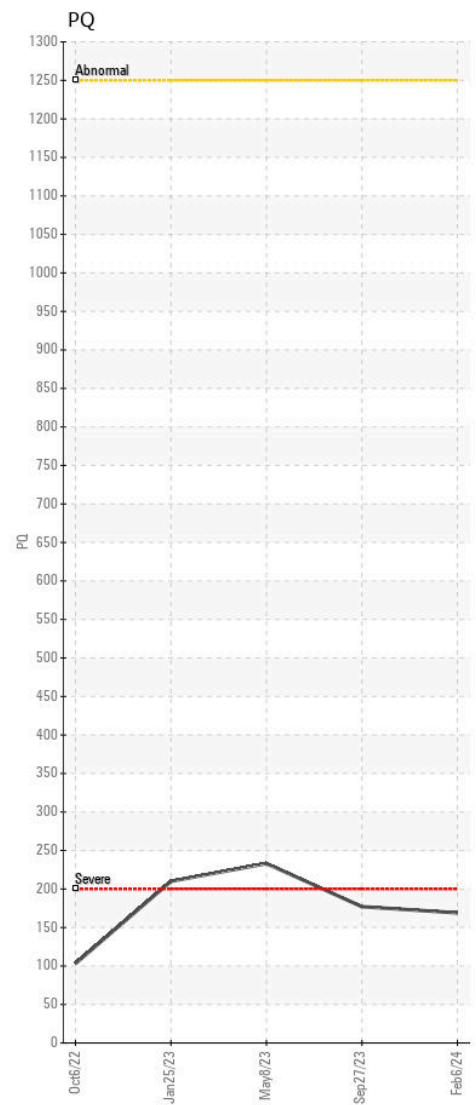
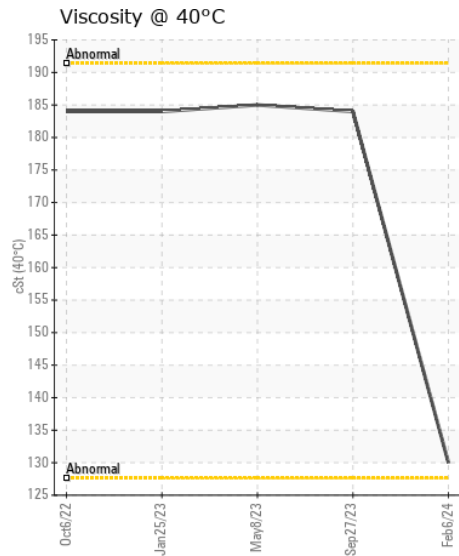
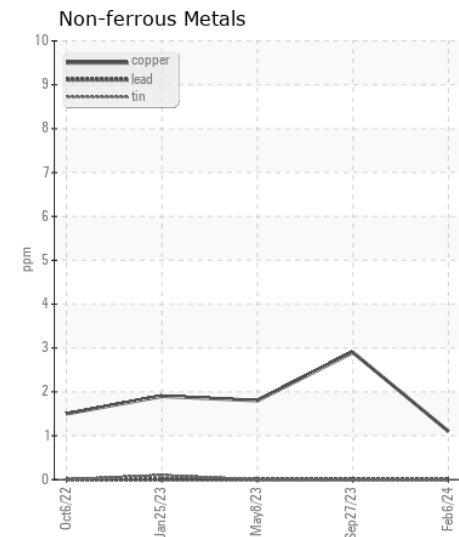
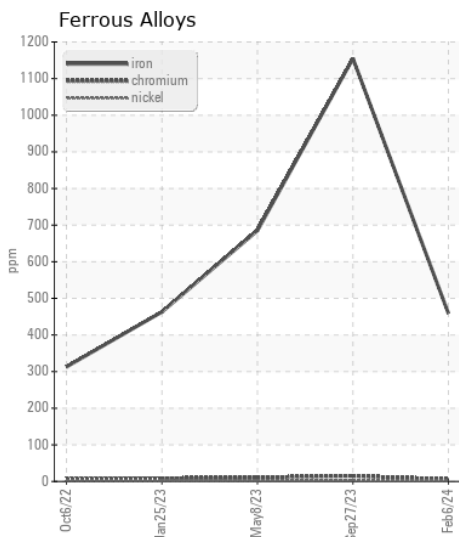
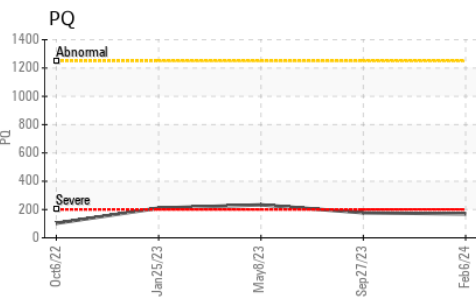
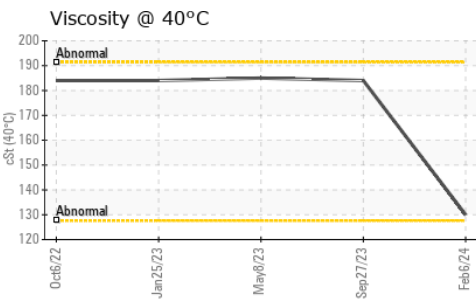
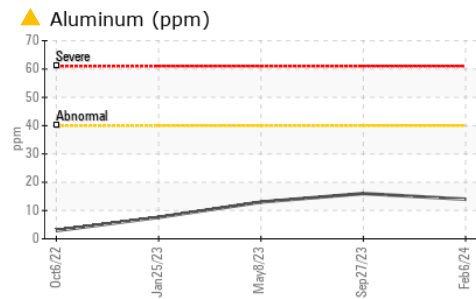
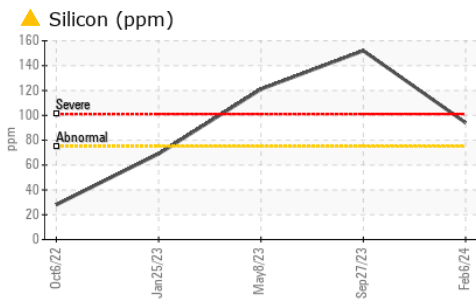
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	<b>▲ 94</b>	▲ 152	▲ 121
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	8	9
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>&lt;1</b>	1	0
Boron	ppm	ASTM D5185m		<b>11</b>	63	55
Barium	ppm	ASTM D5185m		<b>4</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>5</b>	15	10
Magnesium	ppm	ASTM D5185m		<b>1</b>	0	5
Calcium	ppm	ASTM D5185m		<b>11</b>	10	12
Phosphorus	ppm	ASTM D5185m		<b>441</b>	534	508
Zinc	ppm	ASTM D5185m		<b>0</b>	22	26
Sulfur	ppm	ASTM D5185m		<b>14846</b>	17433	19185
Visc @ 40°C	cSt	ASTM D445		<b>130</b>	184	185



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0200756 **Received** : 07 Feb 2024  
**Lab Number** : 06082792 **Tested** : 08 Feb 2024  
**Unique Number** : 10870237 **Diagnosed** : 09 Feb 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GARNER**  
 4161 AUBURN CHURCH RD  
 GARNER, NC  
 US 27529

Contact: RALEIGH SHOP  
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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)

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