



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



Machine Id  
**JOHN DEERE 210G 1FF210GXEJF526708**  
Component  
**Left Final Drive**  
Fluid  
**JOHN DEERE GL-5 80W90 (5 QTS)**

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

### WEAR

Gear wear is indicated.

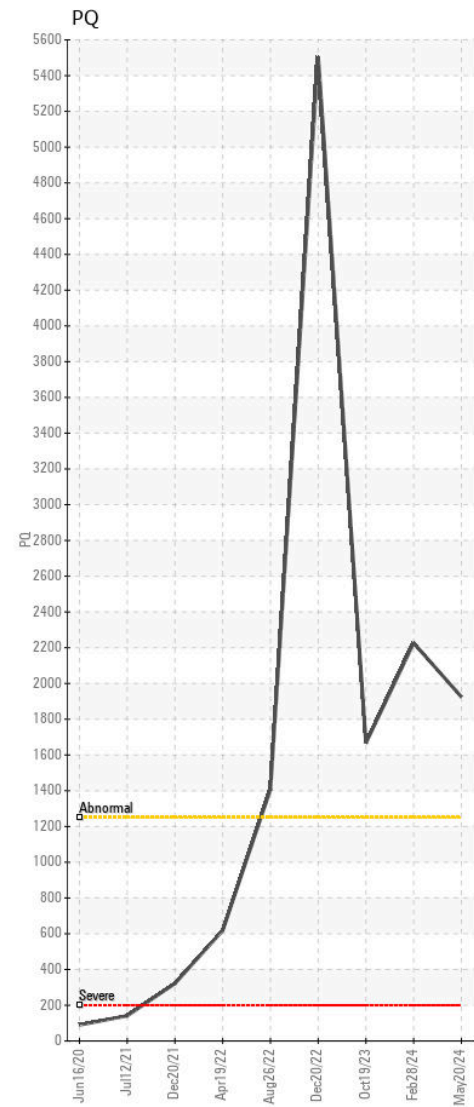
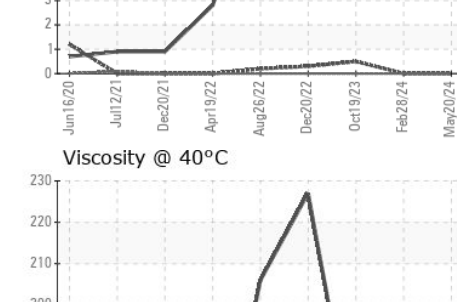
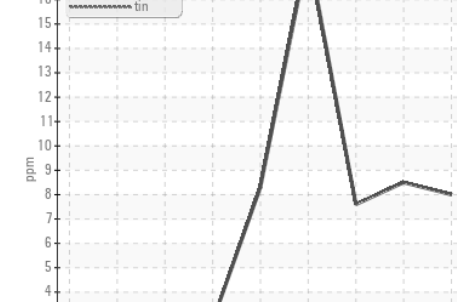
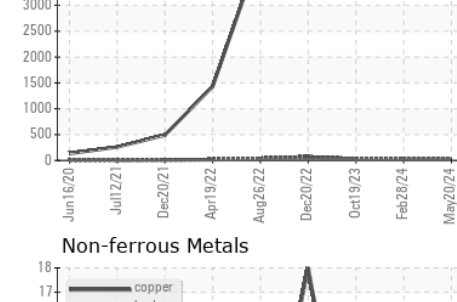
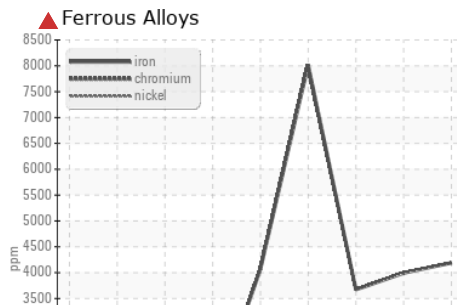
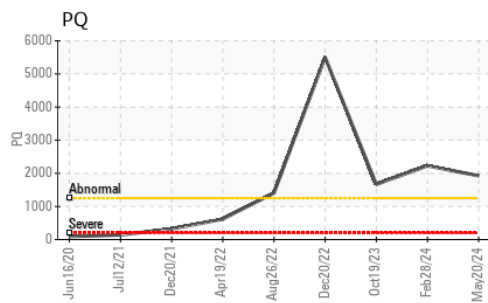
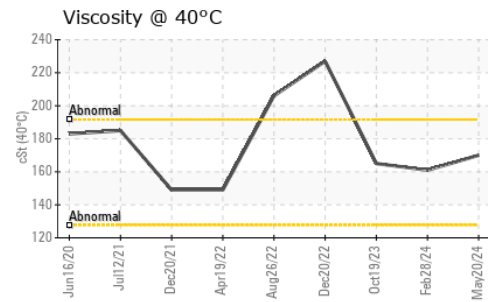
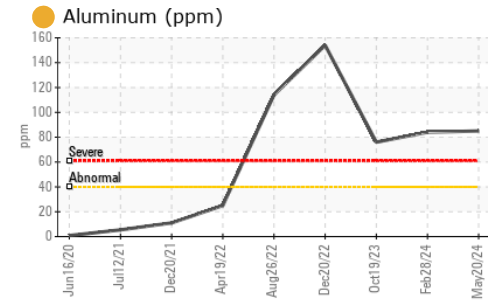
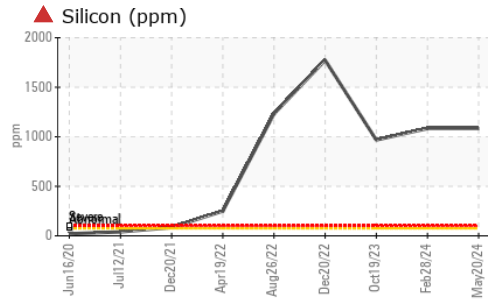
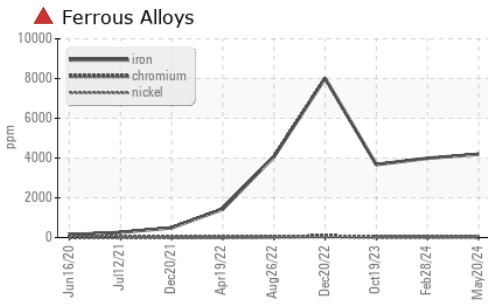
### CONTAMINATION

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

### FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0212869</b>	JR0200605	JR0186745
Sample Date		Client Info		<b>20 May 2024</b>	28 Feb 2024	19 Oct 2023
Machine Age	hrs	Client Info		<b>4952</b>	4827	4568
Oil Age	hrs	Client Info		<b>4135</b>	4269	558
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	N/A	N/A
Sample Status				<b>SEVERE</b>	SEVERE	SEVERE
PQ		ASTM D8184	>1250	<b>1925</b>	2226	1667
Iron	ppm	ASTM D5185m	>750	<b>▲ 4190</b>	▲ 3992	▲ 3671
Chromium	ppm	ASTM D5185m	>9	<b>▲ 33</b>	▲ 32	▲ 28
Nickel	ppm	ASTM D5185m	>10	<b>▲ 10</b>	▲ 11	10
Titanium	ppm	ASTM D5185m		<b>17</b>	17	16
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>● 85</b>	● 84	● 76
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>8</b>	8	8
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	<b>▲ 1083</b>	▲ 1084	▲ 968
Potassium	ppm	ASTM D5185m	>20	<b>13</b>	16	15
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>	0.2%	NEG
Sodium	ppm	ASTM D5185m	>51	<b>3</b>	2	0
Boron	ppm	ASTM D5185m		<b>17</b>	21	22
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>6</b>	6	7
Manganese	ppm	ASTM D5185m		<b>32</b>	32	28
Magnesium	ppm	ASTM D5185m		<b>18</b>	19	19
Calcium	ppm	ASTM D5185m		<b>65</b>	65	63
Phosphorus	ppm	ASTM D5185m		<b>830</b>	842	916
Zinc	ppm	ASTM D5185m		<b>38</b>	48	37
Sulfur	ppm	ASTM D5185m		<b>23470</b>	22482	26033
Visc @ 40°C	cSt	ASTM D445		<b>170</b>	161	165



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0212869 **Received** : 21 May 2024  
**Lab Number** : 06186488 **Tested** : 22 May 2024  
**Unique Number** : 11043240 **Diagnosed** : 23 May 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GREENVILLE**  
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 US 27834-5800  
 Contact: GREENVILLE SHOP  
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 T:  
 F:

Certificate L2367  
 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)