



Machine Id  
**JOHN DEERE 210G 1FF210GXKKF527865**

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. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

### WEAR

Gear wear is indicated.

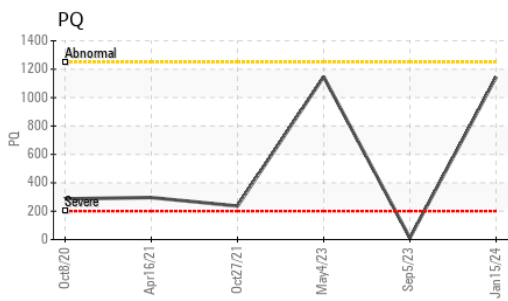
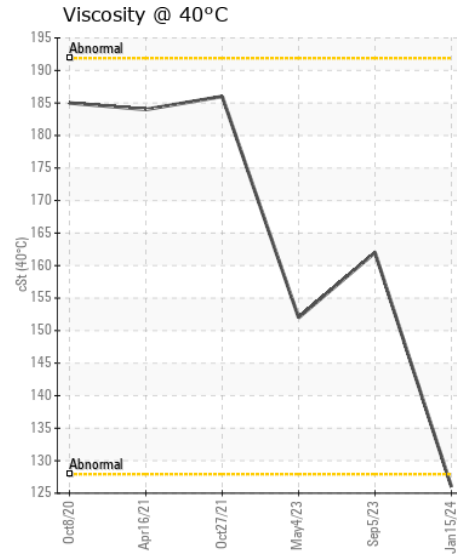
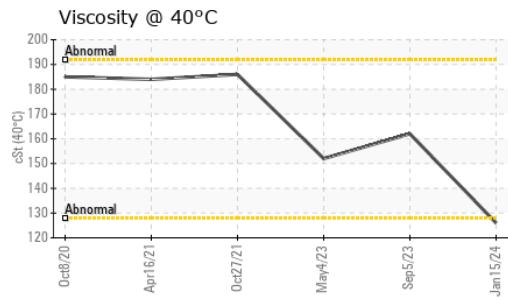
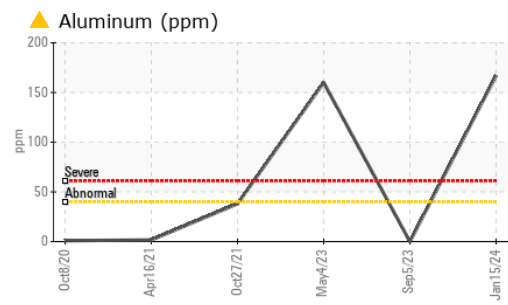
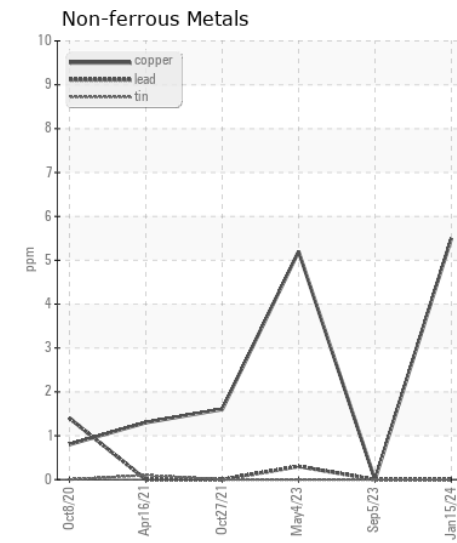
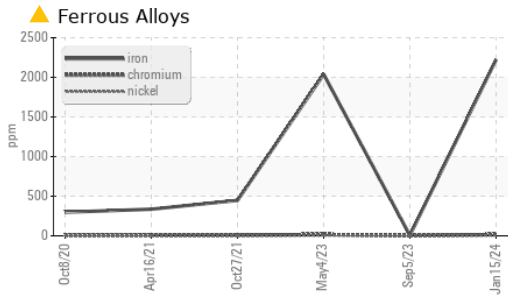
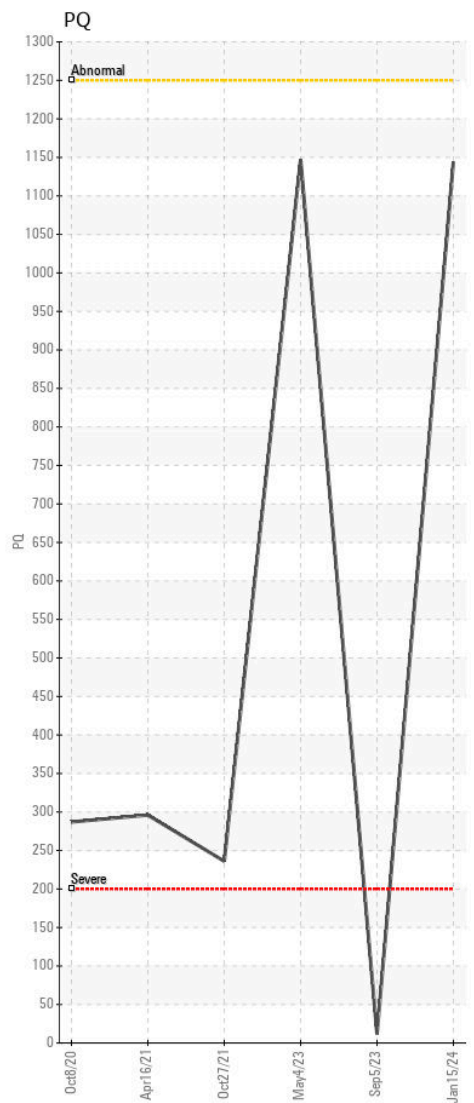
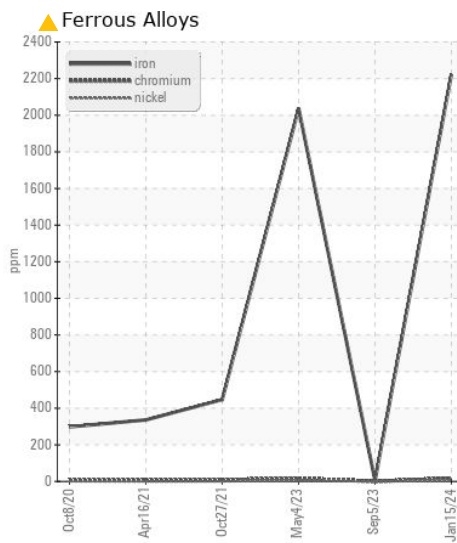
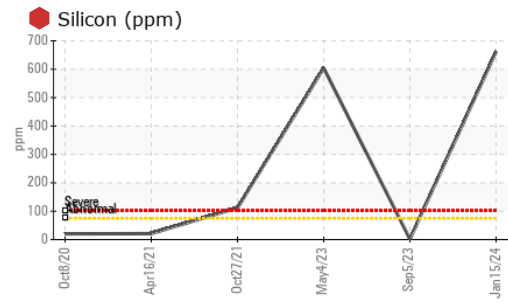
### CONTAMINATION

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>JR0197655</b>	JR0185978	JR0167997
Sample Date		Client Info		<b>15 Jan 2024</b>	05 Sep 2023	04 May 2023
Machine Age	hrs	Client Info		<b>4984</b>	4576	4025
Oil Age	hrs	Client Info		<b>0</b>	551	4025
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	Not Changd	N/A
Sample Status				<b>SEVERE</b>	NORMAL	SEVERE
PQ		ASTM D8184	>1250	<b>1144</b>	12	1147
Iron	ppm	ASTM D5185m	>750	<b>▲ 2223</b>	6	▲ 2038
Chromium	ppm	ASTM D5185m	>9	<b>▲ 17</b>	0	▲ 17
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	0	4
Titanium	ppm	ASTM D5185m		<b>10</b>	0	10
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>▲ 167</b>	0	▲ 160
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>6</b>	0	5
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	<b>◆ 662</b>	2	◆ 604
Potassium	ppm	ASTM D5185m	>20	<b>46</b>	<1	35
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
Sodium	ppm	ASTM D5185m	>51	<b>36</b>	0	15
Boron	ppm	ASTM D5185m		<b>14</b>	128	24
Barium	ppm	ASTM D5185m		<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	<1	1
Manganese	ppm	ASTM D5185m		<b>18</b>	0	19
Magnesium	ppm	ASTM D5185m		<b>10</b>	136	14
Calcium	ppm	ASTM D5185m		<b>33</b>	46	17
Phosphorus	ppm	ASTM D5185m		<b>430</b>	1560	340
Zinc	ppm	ASTM D5185m		<b>10</b>	15	13
Sulfur	ppm	ASTM D5185m		<b>18300</b>	24075	18537
Visc @ 40°C	cSt	ASTM D445		<b>126</b>	162	152



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0197655 **Received** : 17 Jan 2024  
**Lab Number** : 06063010 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 10834392 **Diagnostician** : Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GARNER**  
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 Contact: RALEIGH SHOP  
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 F: (919)779-5432

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)