



**James River  
Equipment**

**OIL ANALYSIS REPORT**

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



Machine Id  
**JOHN DEERE 210G 1FF210GXANF530128**  
Component  
**Left Final Drive**  
Fluid  
**GEAR OIL SAE 140 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0198401</b>	JR0203541	JR0178008
Sample Date		Client Info		<b>09 Jul 2024</b>	06 Feb 2024	01 Aug 2023
Machine Age	hrs	Client Info		<b>1456</b>	997	465
Oil Age	hrs	Client Info		<b>1456</b>	997	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>66</b>	224	16
Iron	ppm	ASTM D5185m	>750	<b>212</b>	269	0
Chromium	ppm	ASTM D5185m	>9	<b>3</b>	4	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>&lt;1</b>	1	0
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

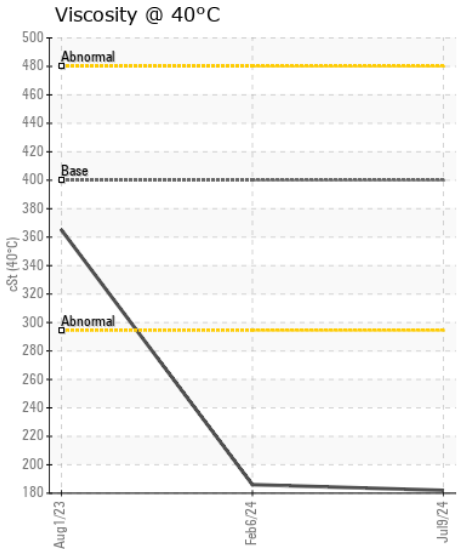
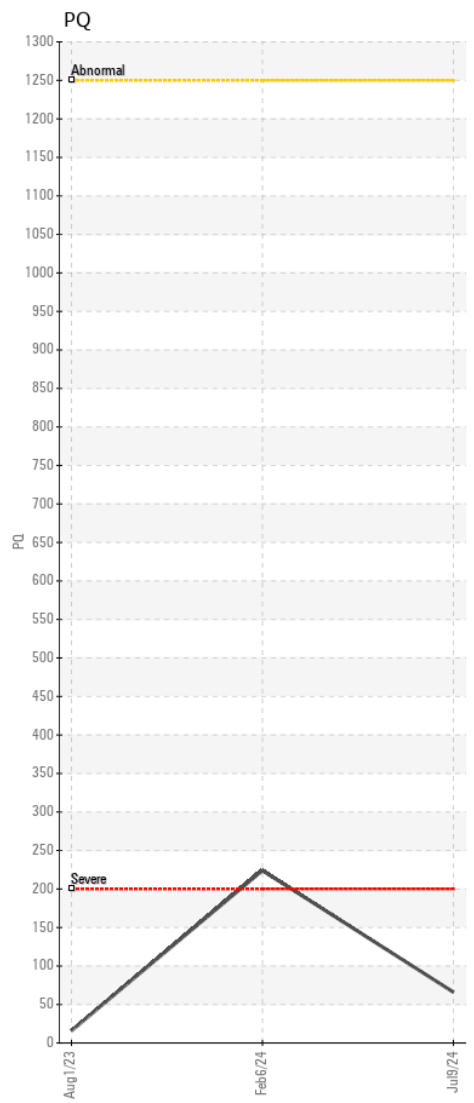
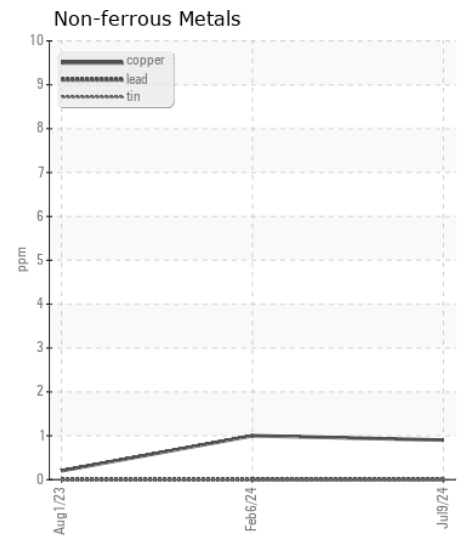
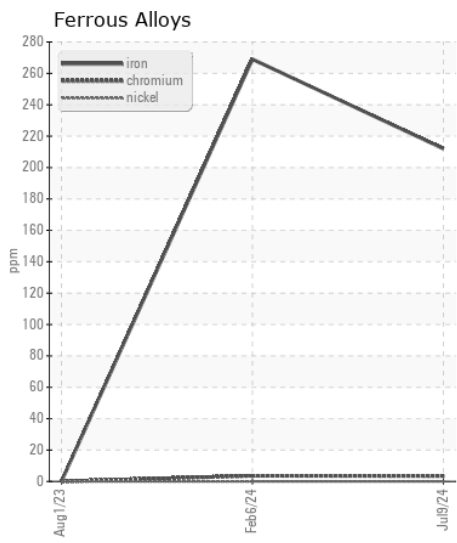
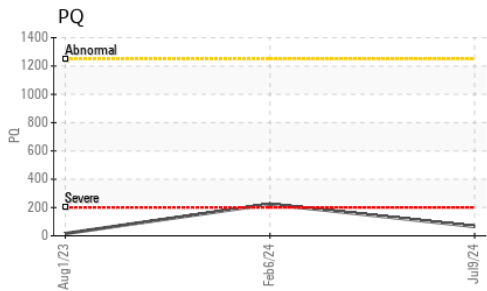
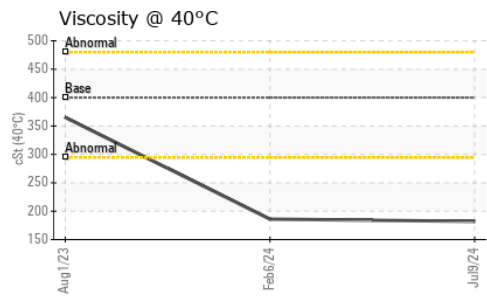
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>23</b>	22	<1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	1
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</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>1</b>	0	4
Boron	ppm	ASTM D5185m	400	<b>54</b>	60	0
Barium	ppm	ASTM D5185m	200	<b>8</b>	16	0
Molybdenum	ppm	ASTM D5185m	12	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>4</b>	4	0
Magnesium	ppm	ASTM D5185m	12	<b>2</b>	2	3
Calcium	ppm	ASTM D5185m	150	<b>13</b>	36	7
Phosphorus	ppm	ASTM D5185m	1650	<b>510</b>	510	2393
Zinc	ppm	ASTM D5185m	125	<b>36</b>	46	9
Sulfur	ppm	ASTM D5185m	22500	<b>17155</b>	15182	25056
Visc @ 40°C	cSt	ASTM D445	400	<b>182</b>	186	365



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0198401 **Received** : 15 Jul 2024  
**Lab Number** : 06236328 **Tested** : 16 Jul 2024  
**Unique Number** : 11125162 **Diagnosed** : 16 Jul 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
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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)