



**James River  
Equipment**

**OIL ANALYSIS REPORT**

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

Machine Id  
**JOHN DEERE 250G 1FF250GXKNF611855**

Component  
**Right Final Drive**

Fluid  
**GEAR OIL SAE 80W90 (--- 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>JR0203475</b>	JR0193330	---
Sample Date		Client Info		<b>19 Mar 2024</b>	21 Nov 2023	---
Machine Age	hrs	Client Info		<b>993</b>	586	---
Oil Age	hrs	Client Info		<b>993</b>	586	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>None</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>639</b>	393	---
Iron	ppm	ASTM D5185m	>750	<b>305</b>	194	---
Chromium	ppm	ASTM D5185m	>9	<b>8</b>	6	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>3</b>	<1	---
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>40	<b>1</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

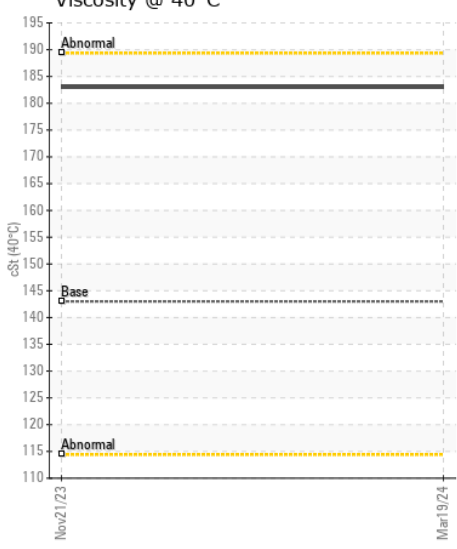
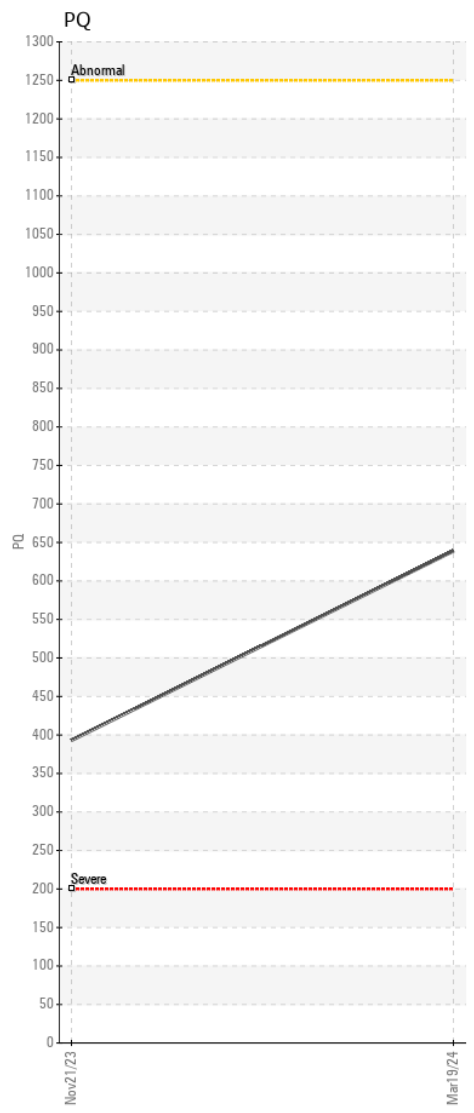
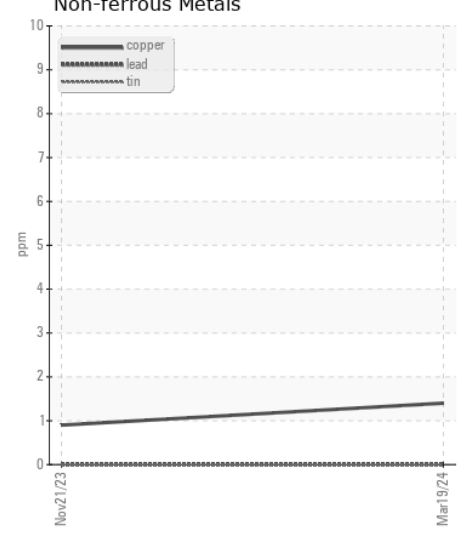
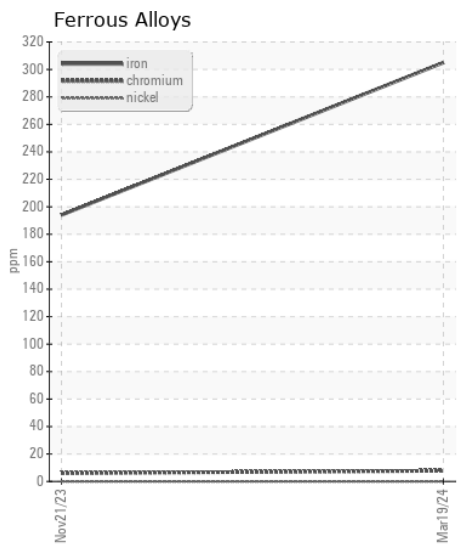
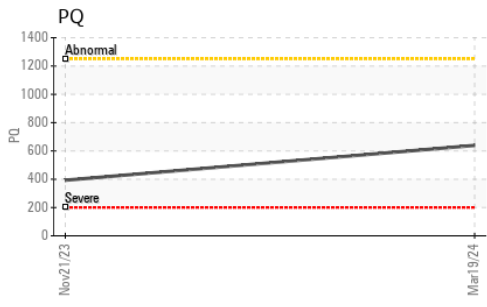
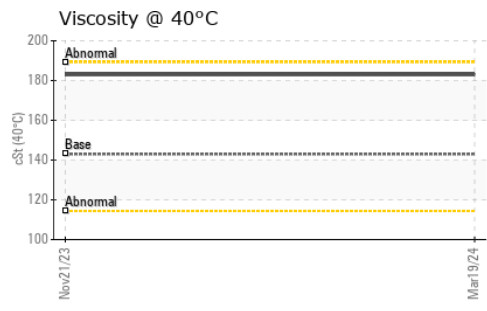
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>22</b>	19	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>MODER</b>	MODER	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	NEG	---

**FLUID CONDITION**

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>170	<b>0</b>	<1	---
Boron	ppm	ASTM D5185m	400	<b>68</b>	62	---
Barium	ppm	ASTM D5185m	200	<b>7</b>	5	---
Molybdenum	ppm	ASTM D5185m	12	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m		<b>9</b>	7	---
Magnesium	ppm	ASTM D5185m	12	<b>&lt;1</b>	2	---
Calcium	ppm	ASTM D5185m	150	<b>22</b>	24	---
Phosphorus	ppm	ASTM D5185m	1650	<b>483</b>	499	---
Zinc	ppm	ASTM D5185m	125	<b>24</b>	13	---
Sulfur	ppm	ASTM D5185m	22500	<b>17788</b>	15215	---
Visc @ 40°C	cSt	ASTM D445	143	<b>183</b>	183	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0203475 **Received** : 21 Mar 2024  
**Lab Number** : 06125154 **Tested** : 24 Mar 2024  
**Unique Number** : 10939305 **Diagnosed** : 24 Mar 2024 - Wes Davis  
**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: