



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

Machine Id  
**JOHN DEERE 85G 1FF085GXCLJ021919**  
 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>JR0213221</b>	JR0127521	---
Sample Date		Client Info		<b>12 May 2024</b>	20 Apr 2023	---
Machine Age	hrs	Client Info		<b>2651</b>	2049	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	N/A	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>193</b>	354	---
Iron	ppm	ASTM D5185m	>750	<b>295</b>	642	---
Chromium	ppm	ASTM D5185m	>9	<b>5</b>	8	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>2</b>	0	---
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>40	<b>4</b>	2	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

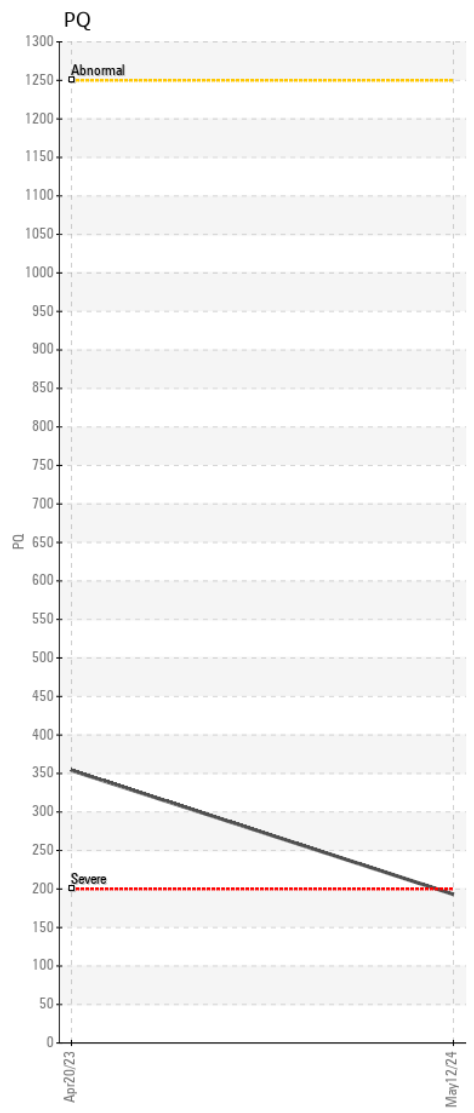
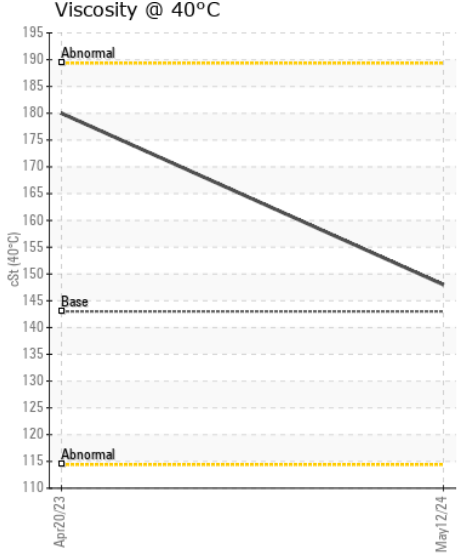
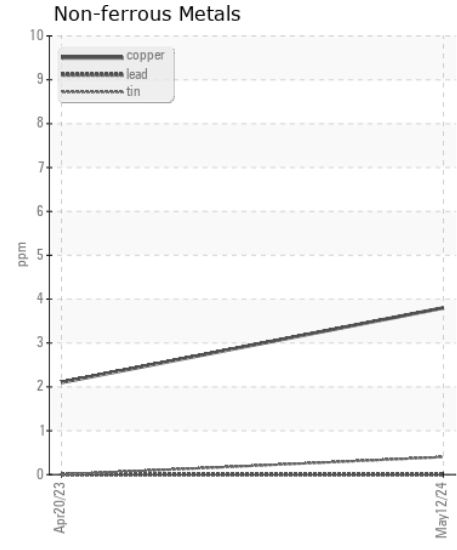
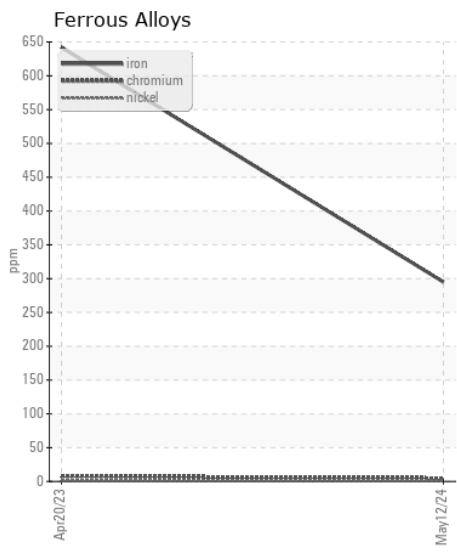
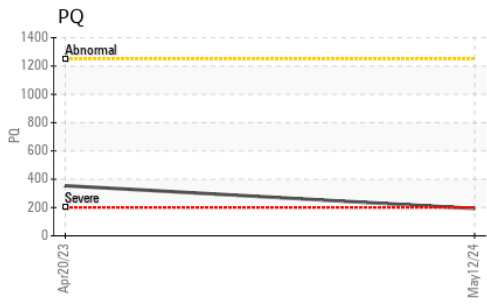
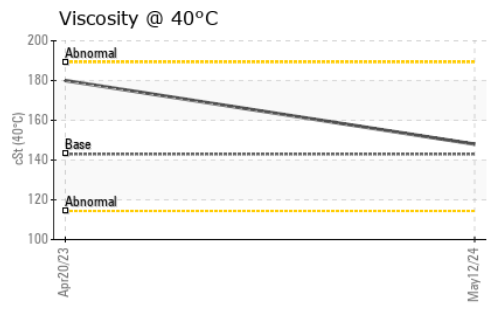
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>11</b>	18	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
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>2</b>	<1	---
Boron	ppm	ASTM D5185m	400	<b>12</b>	56	---
Barium	ppm	ASTM D5185m	200	<b>15</b>	60	---
Molybdenum	ppm	ASTM D5185m	12	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>5</b>	8	---
Magnesium	ppm	ASTM D5185m	12	<b>0</b>	2	---
Calcium	ppm	ASTM D5185m	150	<b>15</b>	15	---
Phosphorus	ppm	ASTM D5185m	1650	<b>801</b>	470	---
Zinc	ppm	ASTM D5185m	125	<b>49</b>	128	---
Sulfur	ppm	ASTM D5185m	22500	<b>23799</b>	14049	---
Visc @ 40°C	cSt	ASTM D445	143	<b>148</b>	180	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0213221 **Received** : 13 May 2024  
**Lab Number** : 06177454 **Tested** : 14 May 2024  
**Unique Number** : 11023507 **Diagnosed** : 14 May 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GREENSBORO**  
 411 SOUTH REGIONAL ROAD  
 GREENSBORO, NC  
 US 27409  
 Contact: JUSTIN WILLIAMS  
 justin.williams@jamesriverequipment.com

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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