



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

Machine Id  
**JOHN DEERE 245G 1FF245GXEMF802020**  
 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>JR0213736</b>	JR0205153	JR0133429
Sample Date		Client Info		<b>21 May 2024</b>	21 Feb 2024	29 Jun 2022
Machine Age	hrs	Client Info		<b>3252</b>	3138	1380
Oil Age	hrs	Client Info		<b>0</b>	0	1380
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>14</b>	586	182
Iron	ppm	ASTM D5185m	>750	<b>&lt;1</b>	▲ 1071	325
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	▲ 14	6
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	3	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	6	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m	>40	<b>1</b>	● 99	3
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	4	1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

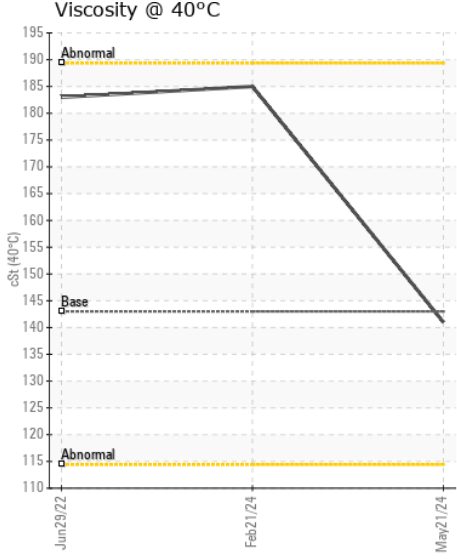
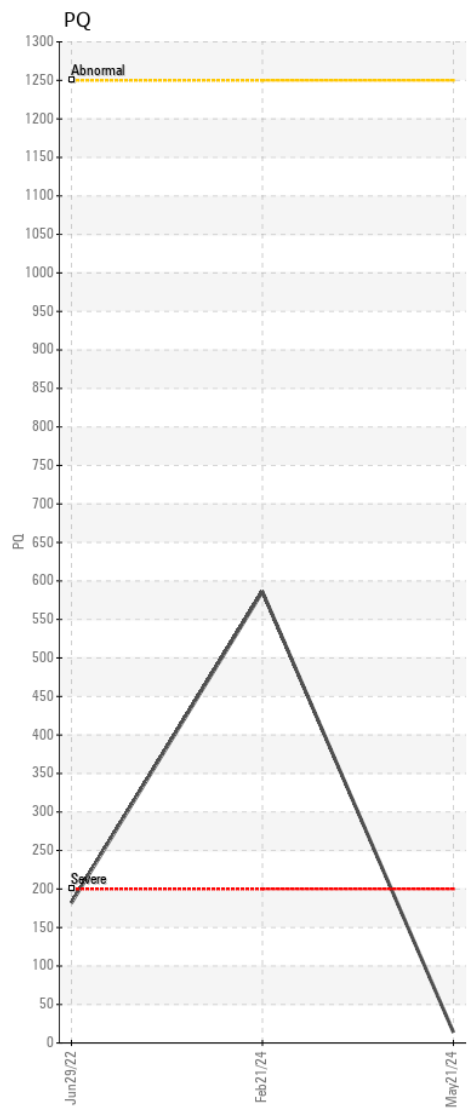
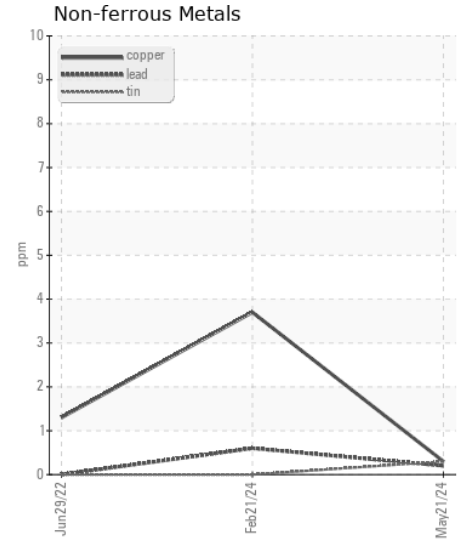
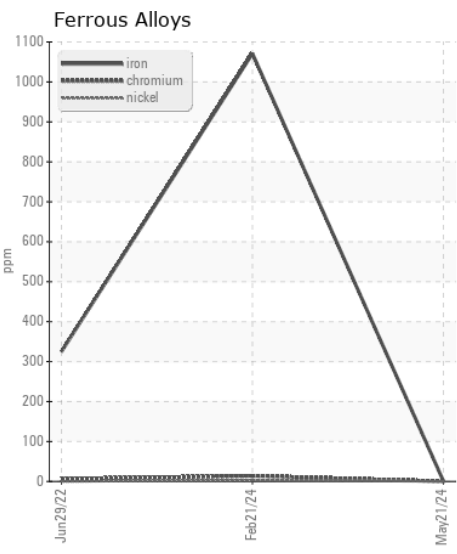
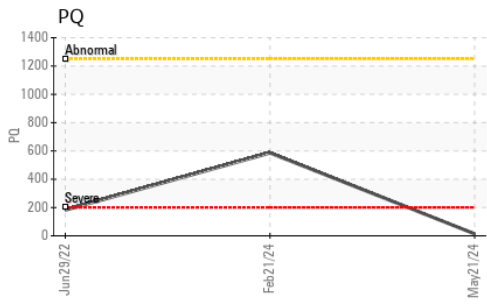
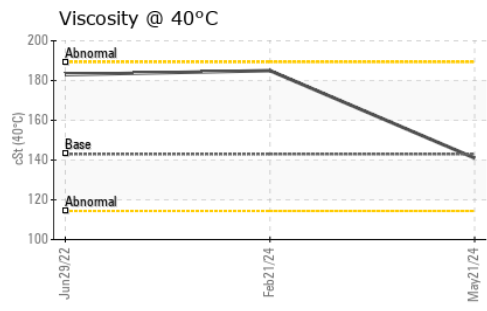
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>3</b>	▲ 273	24
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	14	2
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

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	<b>&lt;1</b>	5	0
Boron	ppm	ASTM D5185m	400	<b>24</b>	60	64
Barium	ppm	ASTM D5185m	200	<b>0</b>	12	15
Molybdenum	ppm	ASTM D5185m	12	<b>14</b>	1	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	15	7
Magnesium	ppm	ASTM D5185m	12	<b>47</b>	9	8
Calcium	ppm	ASTM D5185m	150	<b>72</b>	36	26
Phosphorus	ppm	ASTM D5185m	1650	<b>382</b>	488	534
Zinc	ppm	ASTM D5185m	125	<b>40</b>	49	47
Sulfur	ppm	ASTM D5185m	22500	<b>20581</b>	16621	18387
Visc @ 40°C	cSt	ASTM D445	143	<b>141</b>	185	183



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0213736 **Received** : 22 May 2024  
**Lab Number** : 06187920 **Tested** : 23 May 2024  
**Unique Number** : 11044672 **Diagnosed** : 23 May 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GREENSBORO**  
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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)