



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

Machine Id  
**JOHN DEERE 245G 1FF245GXAMF802322**

Component  
**Swing Drive Gear Case**

Fluid  
**GEAR OIL LS 80W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0197678</b>	JR0186297	JR0167727
Sample Date		Client Info		<b>05 Feb 2024</b>	05 Sep 2023	30 Apr 2023
Machine Age	hrs	Client Info		<b>1889</b>	1569	956
Oil Age	hrs	Client Info		<b>1889</b>	1569	956
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>49</b>	7	52
Iron	ppm	ASTM D5185m	>200	<b>42</b>	2	84
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m		<b>4</b>	0	<1
Lead	ppm	ASTM D5185m		<b>0</b>	0	0
Copper	ppm	ASTM D5185m		<b>0</b>	0	<1
Tin	ppm	ASTM D5185m		<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

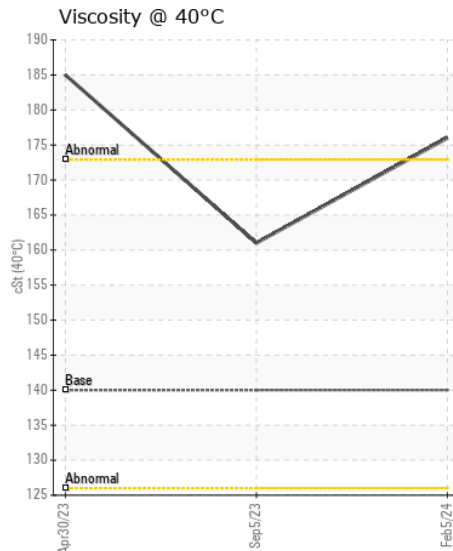
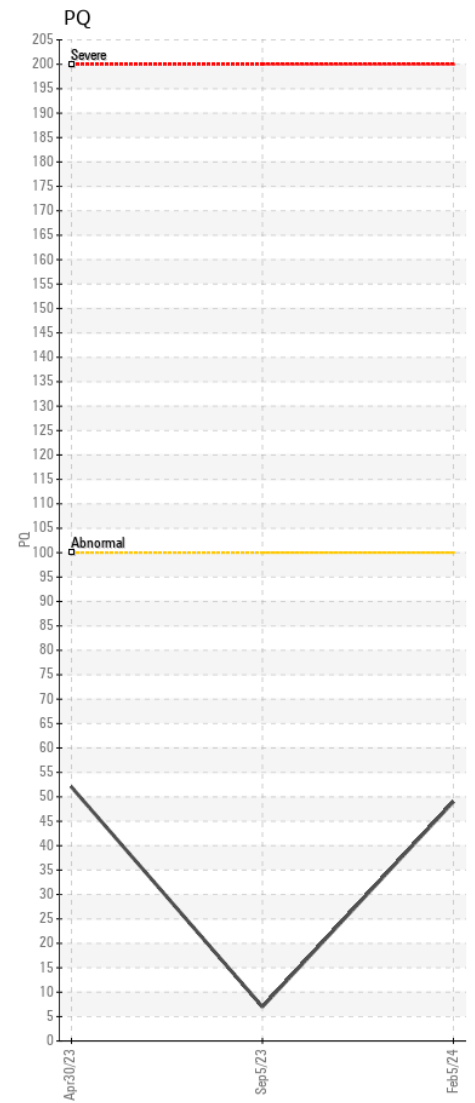
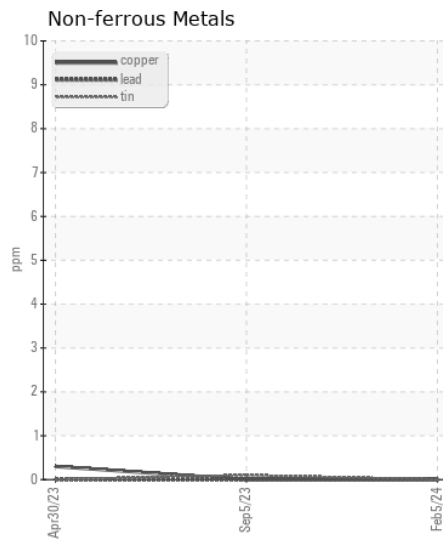
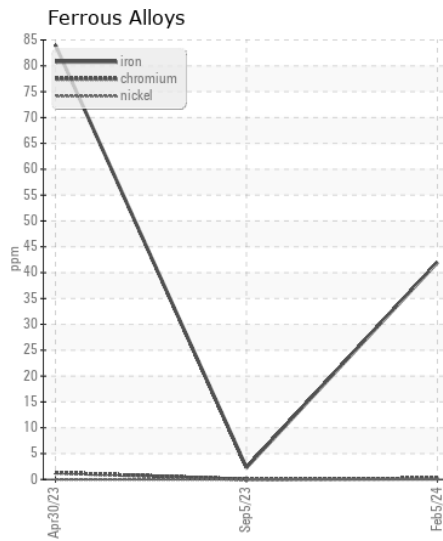
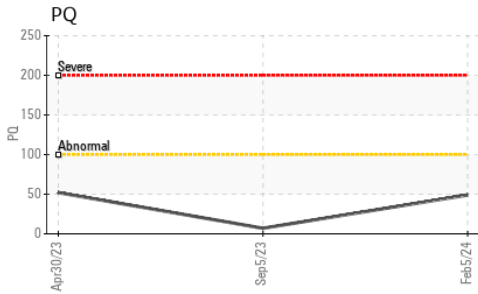
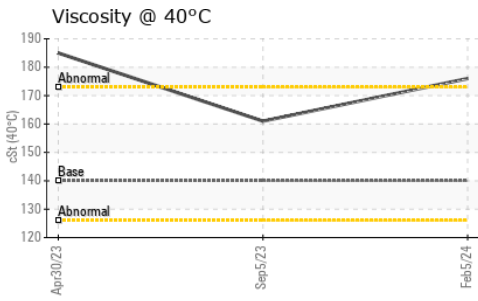
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<b>8</b>	2	16
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	<1	1
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>12</b>	0	2
Boron	ppm	ASTM D5185m	150	<b>27</b>	129	76
Barium	ppm	ASTM D5185m		<b>11</b>	2	5
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	3
Magnesium	ppm	ASTM D5185m	10	<b>3</b>	131	1
Calcium	ppm	ASTM D5185m	70	<b>30</b>	18	19
Phosphorus	ppm	ASTM D5185m	2000	<b>254</b>	1580	528
Zinc	ppm	ASTM D5185m	50	<b>16</b>	8	13
Sulfur	ppm	ASTM D5185m	20000	<b>7854</b>	24322	17938
Visc @ 40°C	cSt	ASTM D445	140	<b>176</b>	161	185



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : JR0197678

**Lab Number** : 06087677

**Unique Number** : 10875122

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 13 Feb 2024

**Tested** : 14 Feb 2024

**Diagnosed** : 15 Feb 2024 - Angela Borella

**JRE - GARNER**

4161 AUBURN CHURCH RD

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US 27529

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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)