



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

Machine Id  
**JOHN DEERE 135G 1FF135GXVLF502117**

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>JR0204860</b>	JR0158168	JR0099957
Sample Date		Client Info		<b>18 Mar 2024</b>	26 Mar 2023	06 Oct 2021
Machine Age	hrs	Client Info		<b>3095</b>	2052	1032
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
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	>1250	<b>69</b>	66	70
Iron	ppm	ASTM D5185m	>750	<b>190</b>	108	64
Chromium	ppm	ASTM D5185m	>9	<b>3</b>	3	2
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	<1
Titanium	ppm	ASTM D5185m		<b>1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>8</b>	4	<1
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	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

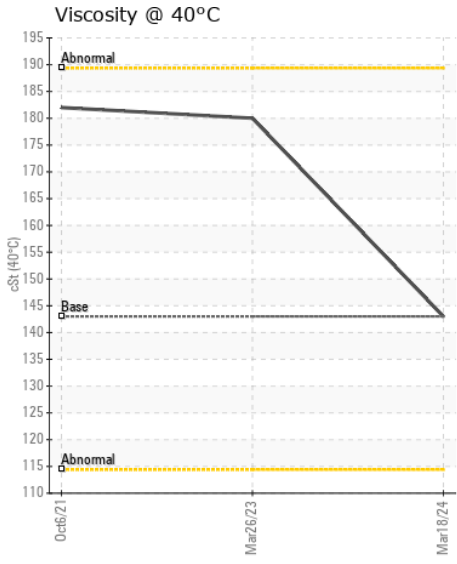
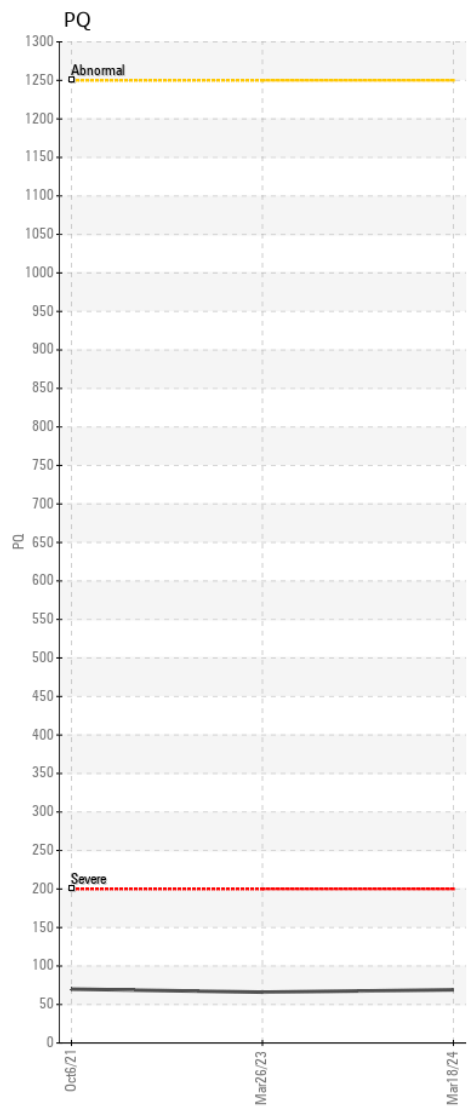
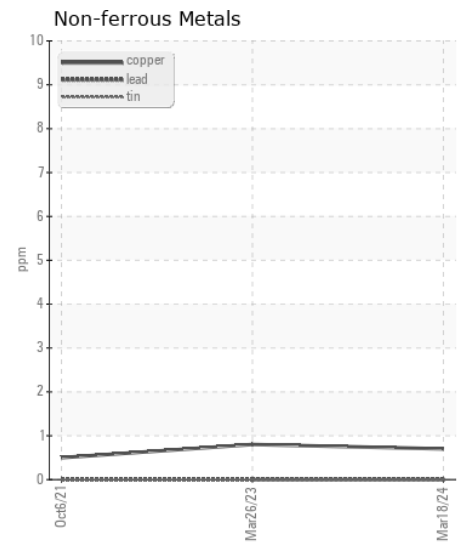
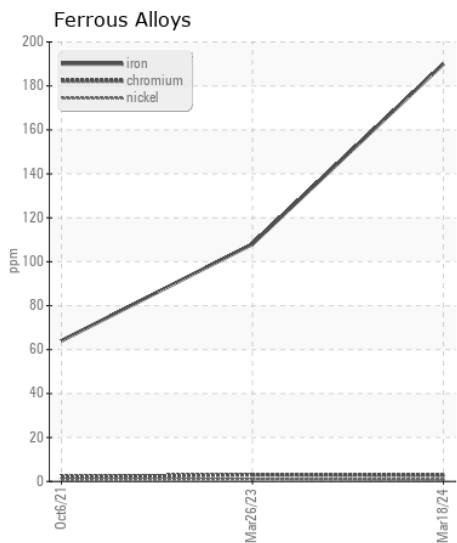
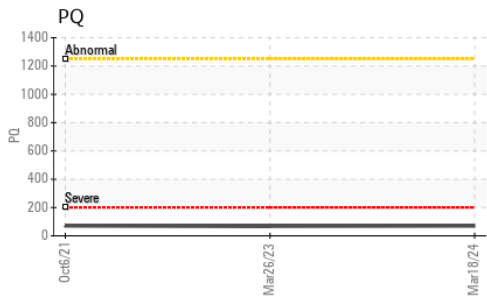
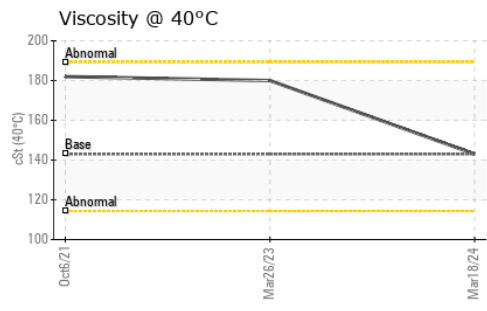
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>29</b>	34	25
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	4	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>NONE</b>	NONE	VLITE
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>0</b>	<1	<1
Boron	ppm	ASTM D5185m	400	<b>18</b>	45	58
Barium	ppm	ASTM D5185m	200	<b>&lt;1</b>	4	5
Molybdenum	ppm	ASTM D5185m	12	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>3</b>	3	2
Magnesium	ppm	ASTM D5185m	12	<b>3</b>	1	<1
Calcium	ppm	ASTM D5185m	150	<b>12</b>	17	12
Phosphorus	ppm	ASTM D5185m	1650	<b>592</b>	486	453
Zinc	ppm	ASTM D5185m	125	<b>17</b>	54	34
Sulfur	ppm	ASTM D5185m	22500	<b>20756</b>	16466	23089
Visc @ 40°C	cSt	ASTM D445	143	<b>143</b>	180	182



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0204860 **Received** : 19 Mar 2024  
**Lab Number** : 06122658 **Tested** : 20 Mar 2024  
**Unique Number** : 10936809 **Diagnosed** : 20 Mar 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)