



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



Area  
**[16W16100]**  
 Machine Id  
**JOHN DEERE 210G 1FF210GXHNF529953**  
 Component  
**Swing Drive Gear Case**  
 Fluid  
**JOHN DEERE GL-5 80W90 (2 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: 16W16100 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0206897</b>	JR0196575	JR0173912
Sample Date		Client Info		<b>22 Apr 2024</b>	05 Dec 2023	26 Jun 2023
Machine Age	hrs	Client Info		<b>1960</b>	1482	1009
Oil Age	hrs	Client Info		<b>951</b>	473	1009
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
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>34</b>	35	35
Iron	ppm	ASTM D5185m	>200	<b>70</b>	68	95
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	2
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m		<b>0</b>	0	2
Lead	ppm	ASTM D5185m		<b>0</b>	0	<1
Copper	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m		<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

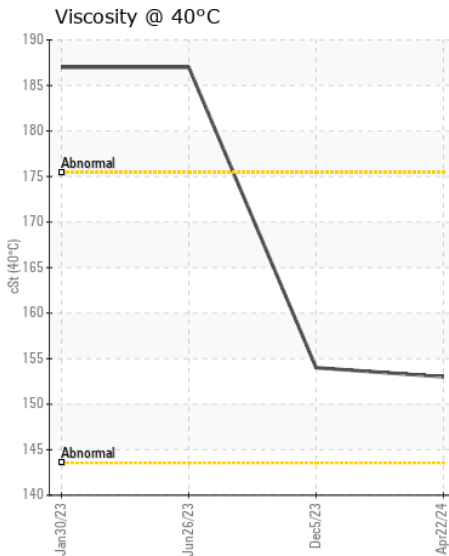
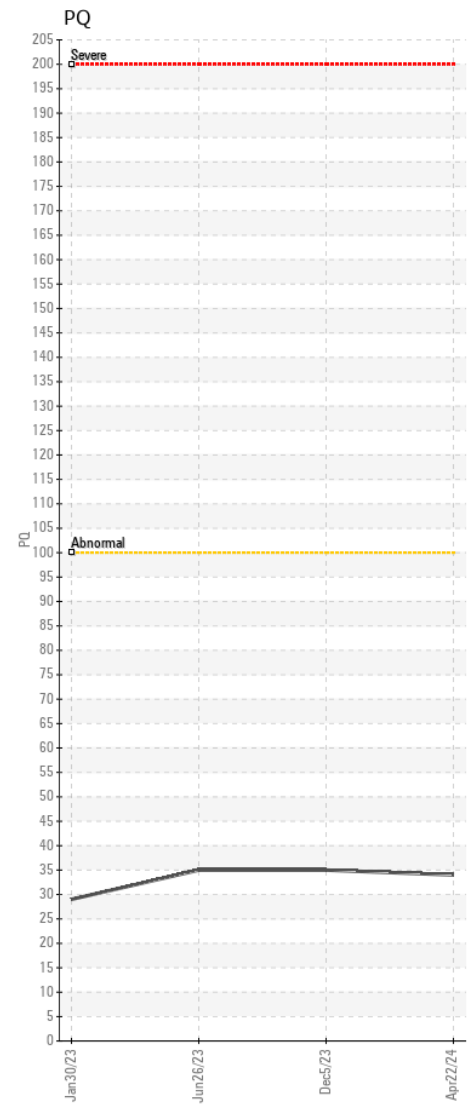
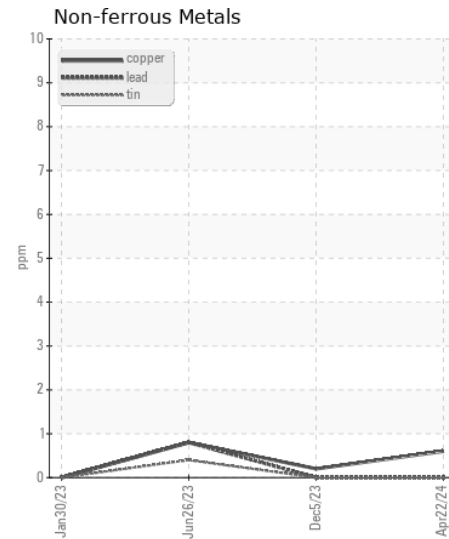
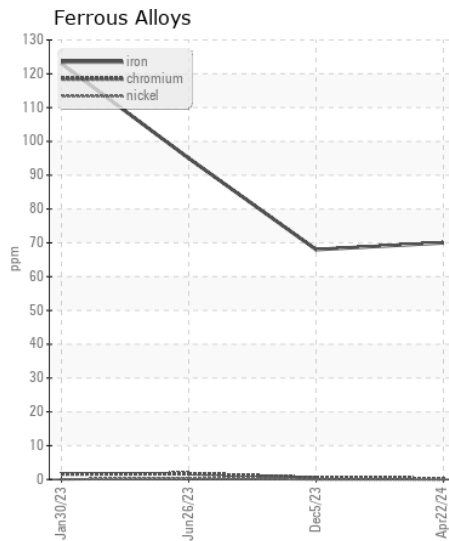
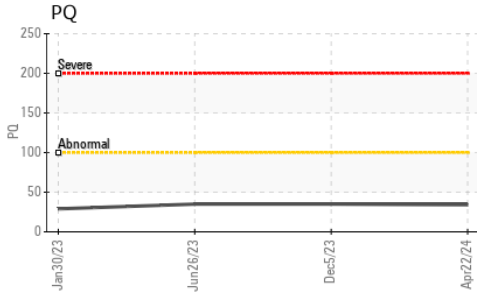
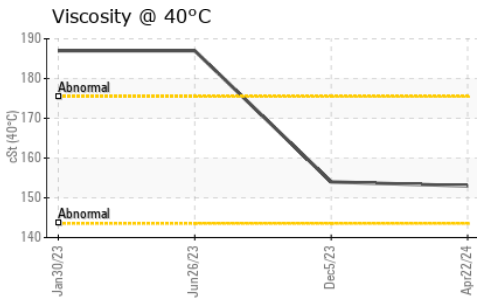
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m		<b>8</b>	8	12
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	4
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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>0</b>	2	2
Boron	ppm	ASTM D5185m		<b>47</b>	49	39
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	1	3
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>2</b>	1	3
Magnesium	ppm	ASTM D5185m		<b>0</b>	0	6
Calcium	ppm	ASTM D5185m		<b>&lt;1</b>	11	11
Phosphorus	ppm	ASTM D5185m		<b>1529</b>	1555	406
Zinc	ppm	ASTM D5185m		<b>0</b>	8	7
Sulfur	ppm	ASTM D5185m		<b>25737</b>	22097	14148
Visc @ 40°C	cSt	ASTM D445		<b>153</b>	154	187



Certificate L2367

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

**Sample No.** : JR0206897

**Lab Number** : 06159371

**Unique Number** : 10994794

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

**Received** : 24 Apr 2024

**Tested** : 25 Apr 2024

**Diagnosed** : 26 Apr 2024 - Don Baldrige

**JRE - CASTLE HAYNE**

113 CROWATAN ROAD

CASTLE HAYNE, NC

US 28429-5819

Contact: WILMINGTON SHOP

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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)