



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



Area  
**[W8497]**  
 Machine Id  
**JOHN DEERE 210G C9013621 (S/N 1FF210GXCEE522436)**  
 Component  
**Swing Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (6 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W8497 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0197014</b>	JR0013763	JR0008816
Sample Date		Client Info		<b>08 Feb 2024</b>	02 Jun 2020	29 May 2019
Machine Age	hrs	Client Info		<b>1701</b>	1601	844
Oil Age	hrs	Client Info		<b>944</b>	500	844
Filter Age	hrs	Client Info		<b>0</b>	0	844
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>None</b>	Not Changd	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>62</b>	14	80
Iron	ppm	ASTM D5185m	>151	<b>79</b>	<1	91
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>2</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>2</b>	0	<1
Lead	ppm	ASTM D5185m	>51	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	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

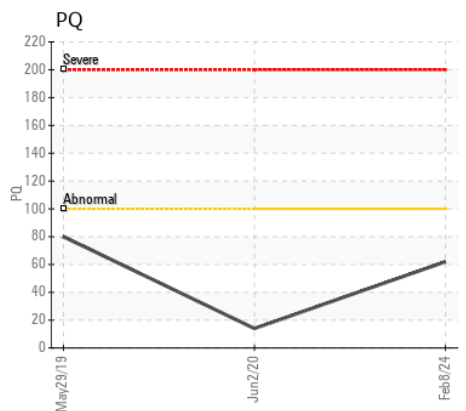
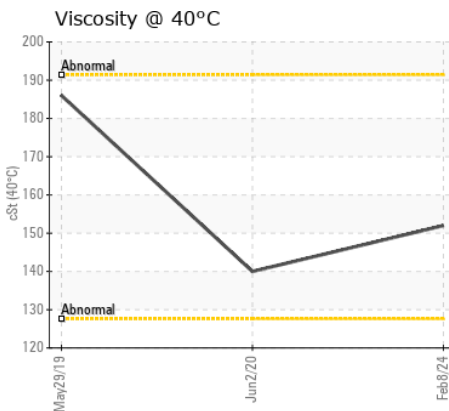
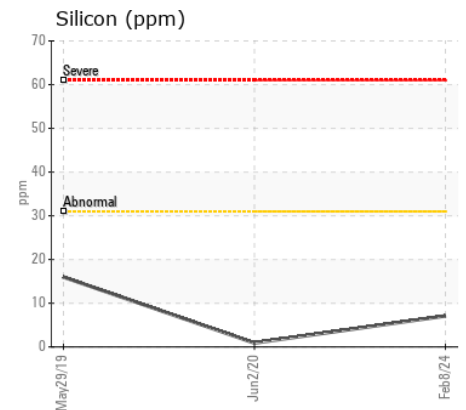
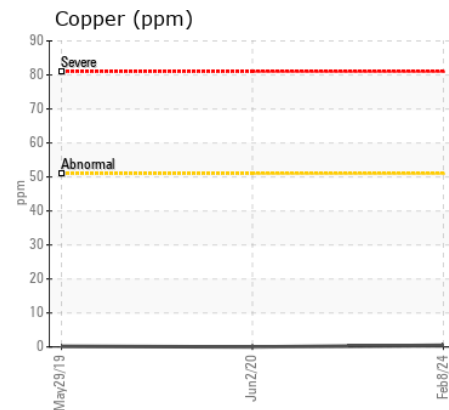
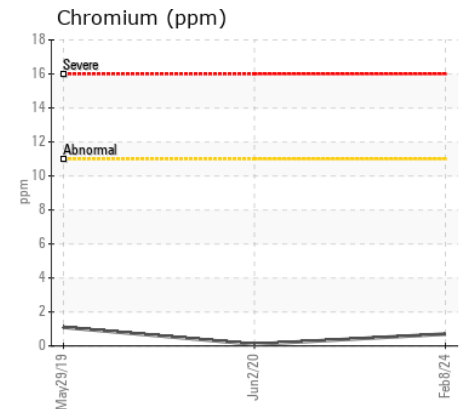
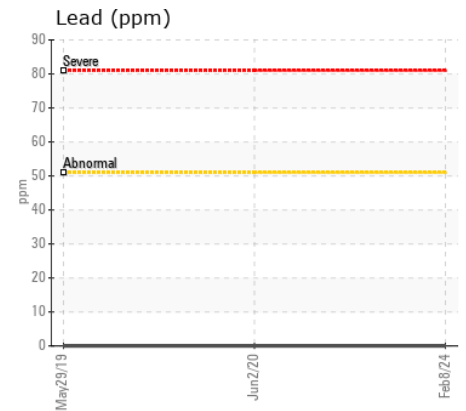
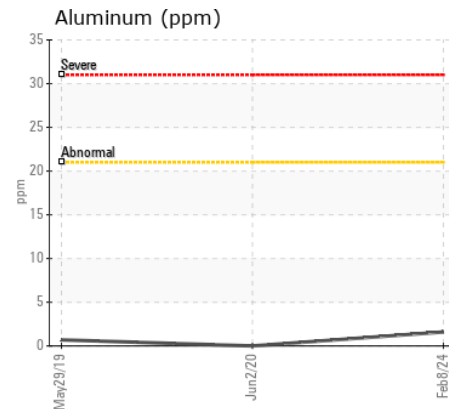
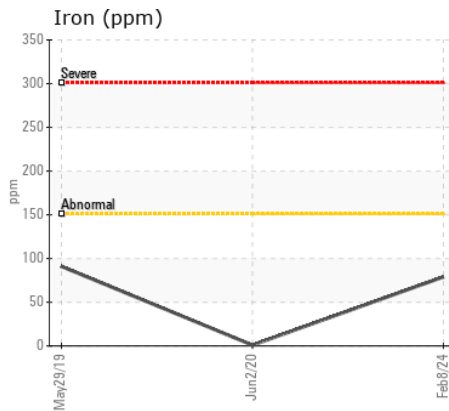
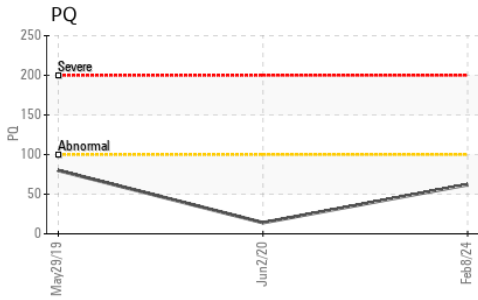
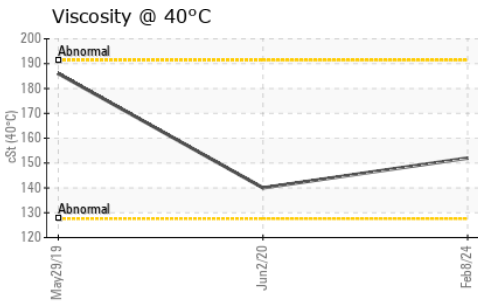
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>7</b>	<1	16
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	8
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	VLITE	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	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>&lt;1</b>	0	2
Boron	ppm	ASTM D5185m		<b>15</b>	<1	54
Barium	ppm	ASTM D5185m		<b>20</b>	0	5
Molybdenum	ppm	ASTM D5185m		<b>3</b>	0	0
Manganese	ppm	ASTM D5185m		<b>2</b>	0	3
Magnesium	ppm	ASTM D5185m		<b>48</b>	<1	1
Calcium	ppm	ASTM D5185m		<b>82</b>	3	14
Phosphorus	ppm	ASTM D5185m		<b>357</b>	300	389
Zinc	ppm	ASTM D5185m		<b>58</b>	1	9
Sulfur	ppm	ASTM D5185m		<b>11069</b>	16579	12670
Visc @ 40°C	cSt	ASTM D445		<b>152</b>	140	186



Certificate L2367

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

Sample No. : JR0197014

Lab Number : 06087647

Unique Number : 10875092

Test Package : MOBCE ( Additional Tests: PQ )

Received : 13 Feb 2024

Tested : 14 Feb 2024

Diagnosed : 14 Feb 2024 - Don Baldrige

JRE - HOPE MILLS/FAYETTEVILLE

5039 HWY 301 SOUTH

HOPE MILLS, NC

US 28348

Contact: FAYETTEVILLE SHOP

stephen.mullis@jamesriverequipment.com;canastasio@wearcheck.com

T:

F:

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)