



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  
**Pump Drive**  
 Fluid  
**JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 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>JR0197152</b>	JR0008820	---
Sample Date		Client Info		<b>08 Feb 2024</b>	29 May 2019	---
Machine Age	hrs	Client Info		<b>1701</b>	844	---
Oil Age	hrs	Client Info		<b>857</b>	844	---
Filter Age	hrs	Client Info		<b>0</b>	844	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>12</b>	18	---
Iron	ppm	ASTM D5185m	>151	<b>28</b>	61	---
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	1	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>21	<b>3</b>	3	---
Lead	ppm	ASTM D5185m	>51	<b>0</b>	2	---
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	1	---
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

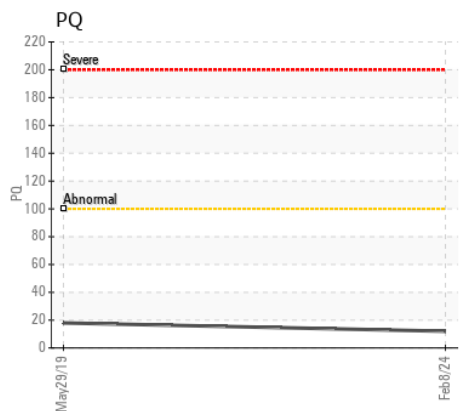
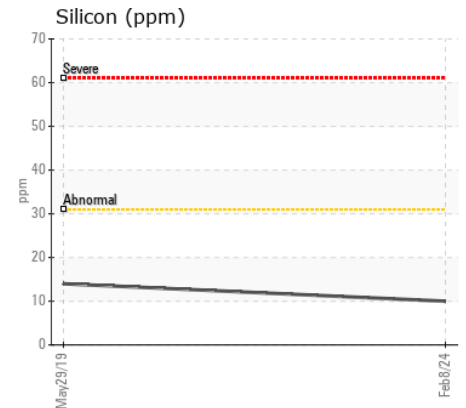
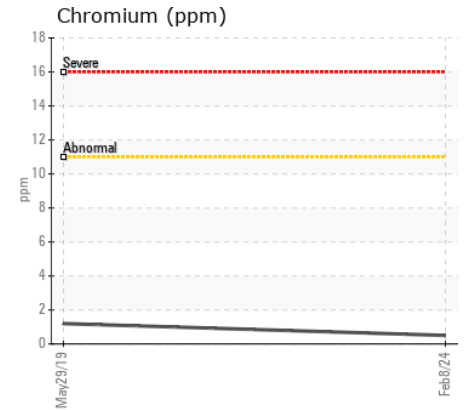
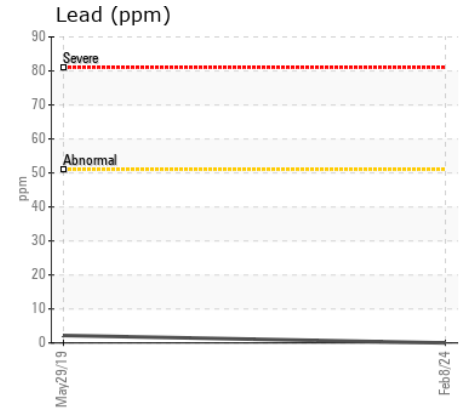
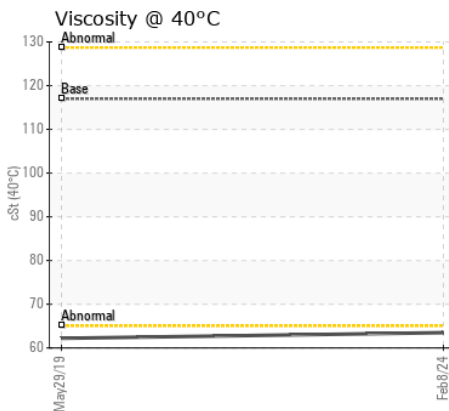
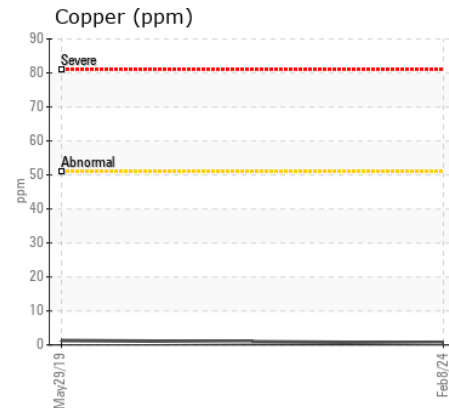
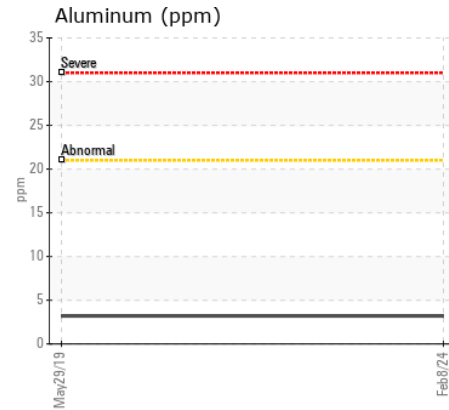
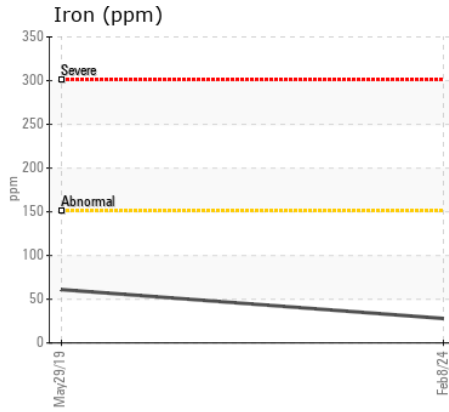
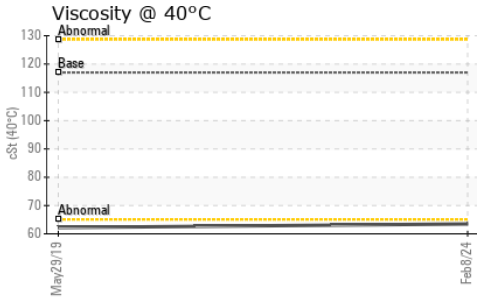
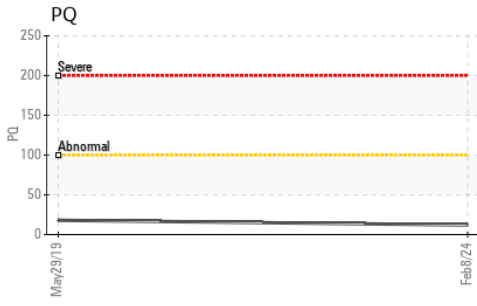
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>10</b>	14	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>3</b>	5	---
Boron	ppm	ASTM D5185m		<b>273</b>	56	---
Barium	ppm	ASTM D5185m		<b>1</b>	5	---
Molybdenum	ppm	ASTM D5185m		<b>255</b>	95	---
Manganese	ppm	ASTM D5185m		<b>1</b>	3	---
Magnesium	ppm	ASTM D5185m		<b>852</b>	12	---
Calcium	ppm	ASTM D5185m		<b>1616</b>	4182	---
Phosphorus	ppm	ASTM D5185m		<b>1006</b>	1135	---
Zinc	ppm	ASTM D5185m		<b>1162</b>	1370	---
Sulfur	ppm	ASTM D5185m		<b>3710</b>	7220	---
Visc @ 40°C	cSt	ASTM D445	117	<b>63.5</b>	62.2	---



Certificate L2367

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

Sample No. : JR0197152

Lab Number : 06087669

Unique Number : 10875114

Test Package : MOBCE ( Additional Tests: PQ )

Received : 13 Feb 2024

Tested : 16 Feb 2024

Diagnosed : 16 Feb 2024 - Jonathan Hester

JRE - HOPE MILLS/FAYETTEVILLE

5039 HWY 301 SOUTH

HOPE MILLS, NC

US 28348

Contact: FAYETTEVILLE SHOP

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

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)

T:

F: