



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

Area  
**[W68113]**

Machine Id  
**C350E310336**

Component  
**Left Final Drive**

Fluid  
**JOHN DEERE GL-5 80W90 (2 GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: W68113 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0219745</b>	JR0206691	---
Sample Date		Client Info		<b>25 Jun 2024</b>	11 Apr 2024	---
Machine Age	hrs	Client Info		<b>8800</b>	8473	---
Oil Age	hrs	Client Info		<b>8800</b>	8473	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---

### WEAR

Bearing and/or gear wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>33</b>	12	---
Iron	ppm	ASTM D5185m	>500	<b>▲ 1400</b>	10	---
Chromium	ppm	ASTM D5185m	>10	<b>▲ 11</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	3	---
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>50	<b>▲ 59</b>	2	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

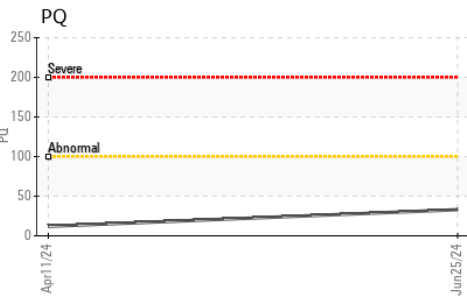
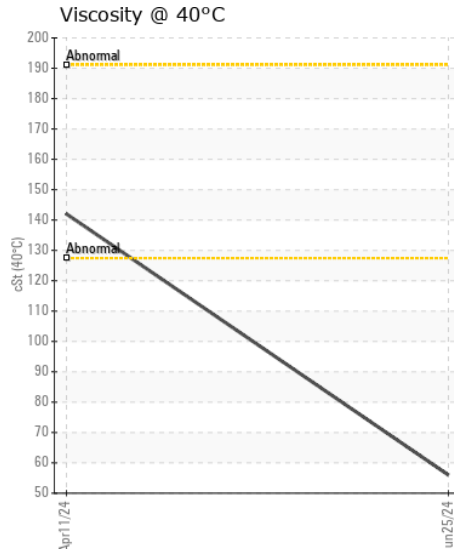
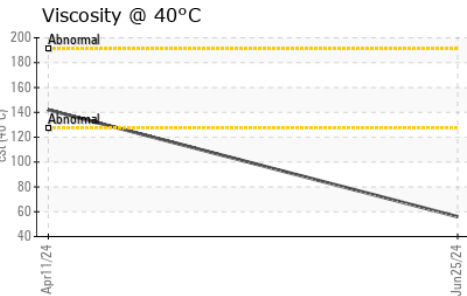
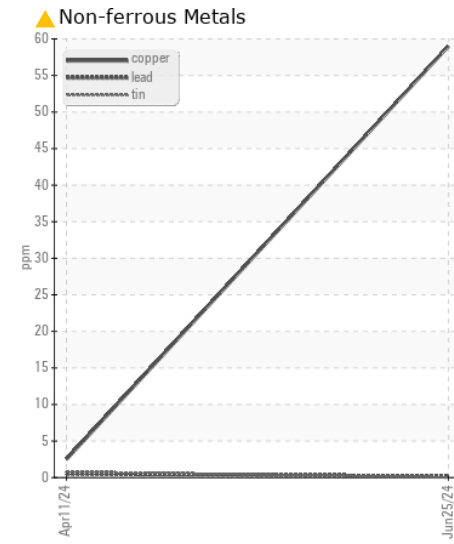
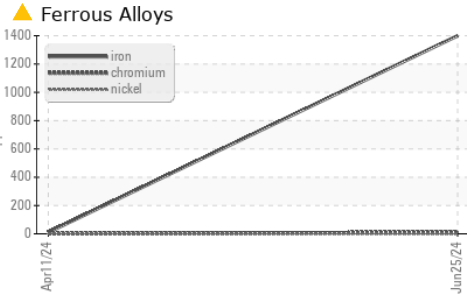
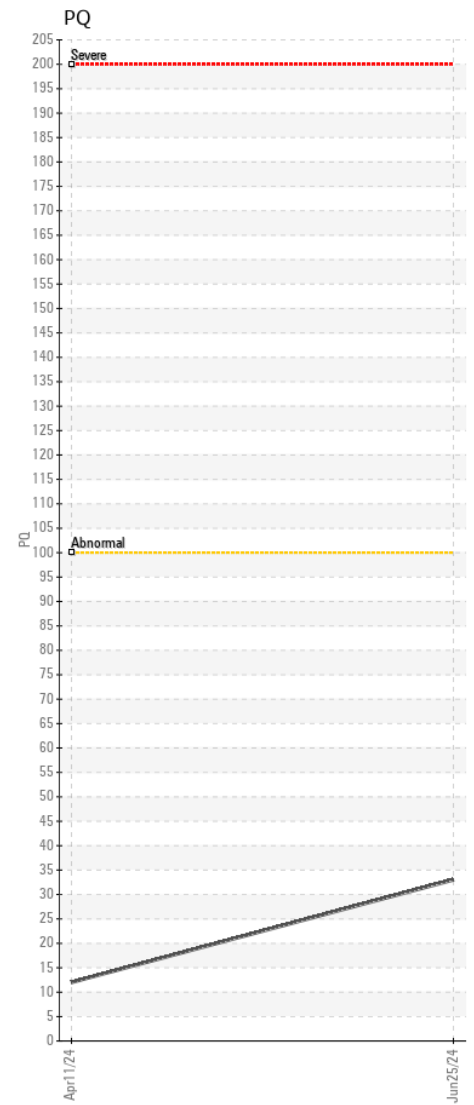
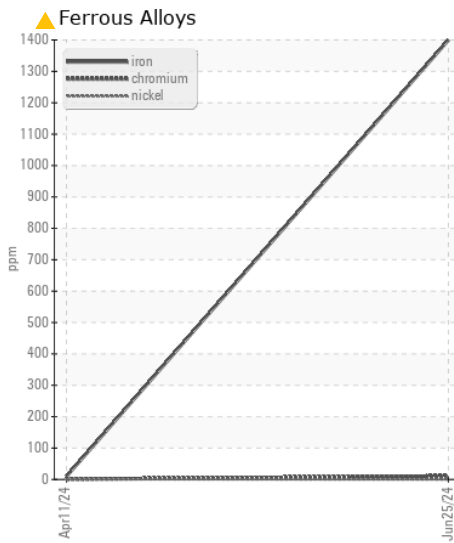
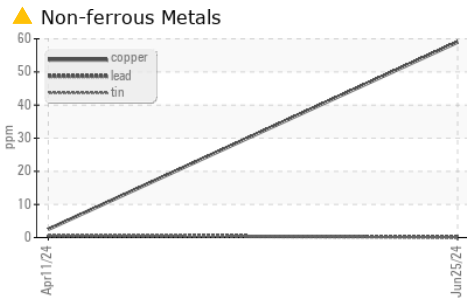
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>75	<b>20</b>	3	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	---
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Boron	ppm	ASTM D5185m		<b>85</b>	<1	---
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Manganese	ppm	ASTM D5185m		<b>10</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>2</b>	8	---
Calcium	ppm	ASTM D5185m		<b>13</b>	76	---
Phosphorus	ppm	ASTM D5185m		<b>2035</b>	353	---
Zinc	ppm	ASTM D5185m		<b>44</b>	24	---
Sulfur	ppm	ASTM D5185m		<b>29131</b>	20890	---
Visc @ 40°C	cSt	ASTM D445		<b>56.0</b>	142	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0219745 **Received** : 26 Jun 2024  
**Lab Number** : 06221489 **Tested** : 27 Jun 2024  
**Unique Number** : 11099686 **Diagnosed** : 28 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269  
 Contact: CHARLOTTE SHOP  
 myoung@jamesriverequipment.com  
 T: (704)597-0211  
 F: (704)596-6198

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)