



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

Area  
**{UNASSIGNED}**

Machine Id  
**314050**

Component  
**Center Left Final Drive**

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

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0204372</b>	JR0171512	---
Sample Date		Client Info		<b>18 Feb 2024</b>	08 Jun 2023	---
Machine Age	hrs	Client Info		<b>5497</b>	5036	---
Oil Age	hrs	Client Info		<b>5497</b>	5036	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>19</b>	249	---
Iron	ppm	ASTM D5185m	>500	<b>&lt;1</b>	1507	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	22	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	8	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	▲ 102	---
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	1	---
Tin	ppm	ASTM D5185m	>10	<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

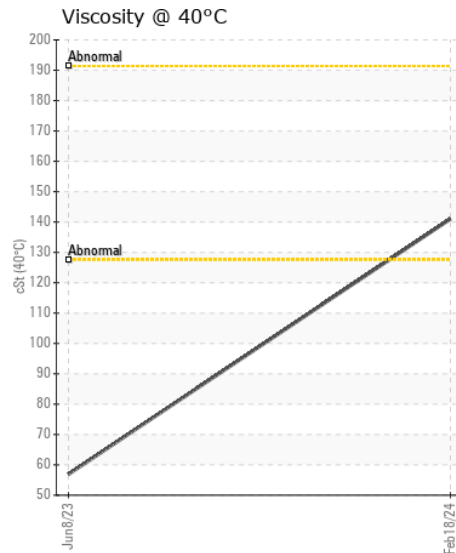
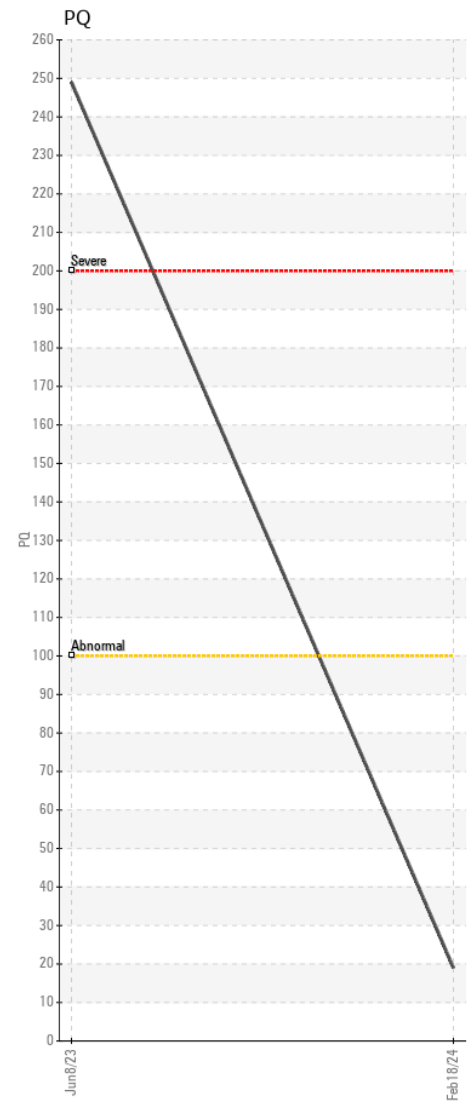
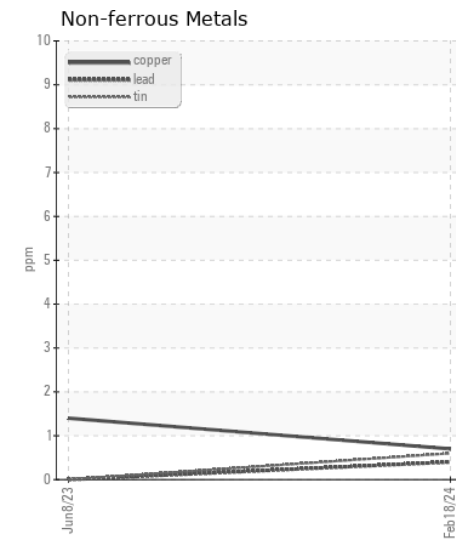
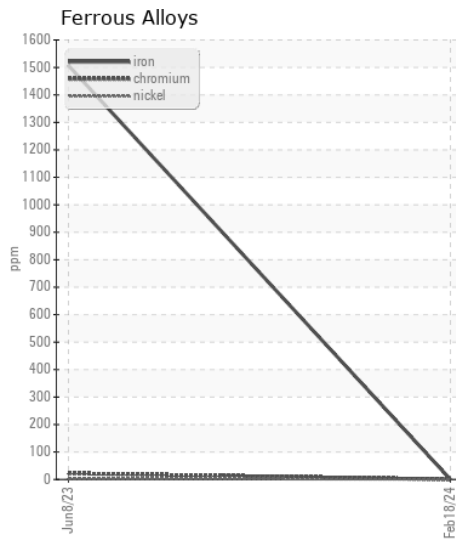
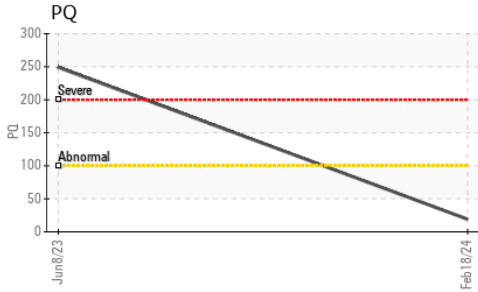
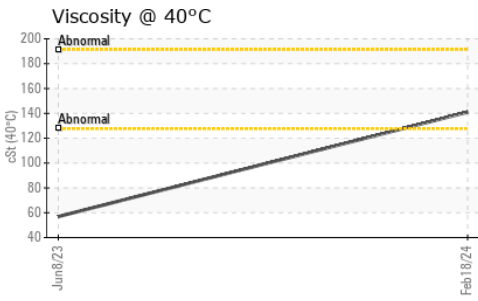
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>75	<b>2</b>	▲ 198	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	14	---
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>0</b>	11	---
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	160	---
Barium	ppm	ASTM D5185m		<b>5</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>1</b>	2	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	14	---
Magnesium	ppm	ASTM D5185m		<b>2</b>	11	---
Calcium	ppm	ASTM D5185m		<b>5</b>	22	---
Phosphorus	ppm	ASTM D5185m		<b>294</b>	2138	---
Zinc	ppm	ASTM D5185m		<b>6</b>	17	---
Sulfur	ppm	ASTM D5185m		<b>20921</b>	25056	---
Visc @ 40°C	cSt	ASTM D445		<b>141</b>	56.9	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0204372 **Received** : 23 Feb 2024  
**Lab Number** : 06099336 **Tested** : 26 Feb 2024  
**Unique Number** : 10897566 **Diagnosed** : 27 Feb 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269

Contact: CHARLOTTE SHOP  
 myoung@jamesriverequipment.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: (704)597-0211  
 F: (704)596-6198