



Area  
**[W67876]**

Machine Id  
**JOHN DEERE 844L 1DW844LXTNL715099**

Component  
**Rear Axle**

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

### RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: W67876 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0219426</b>	---	---
Sample Date		Client Info		<b>20 Jun 2024</b>	---	---
Machine Age	hrs	Client Info		<b>1016</b>	---	---
Oil Age	hrs	Client Info		<b>1016</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

### WEAR

Bearing and/or bushing wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>1095</b>	---	---
Iron	ppm	ASTM D5185m	>750	<b>1390</b>	---	---
Chromium	ppm	ASTM D5185m	>11	<b>6</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m	>21	<b>3</b>	---	---
Lead	ppm	ASTM D5185m	>49	<b>13</b>	---	---
Copper	ppm	ASTM D5185m	>101	<b>▲ 190</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>3</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

### CONTAMINATION

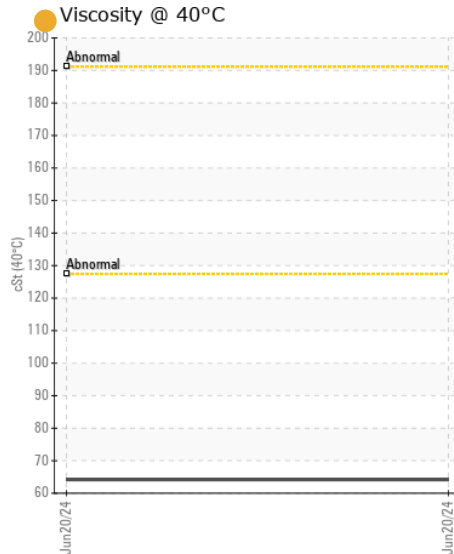
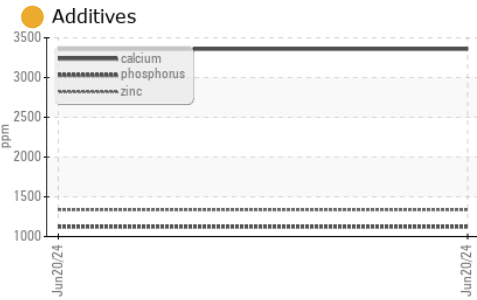
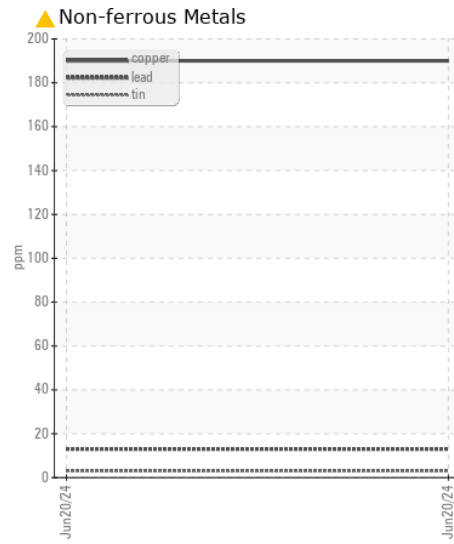
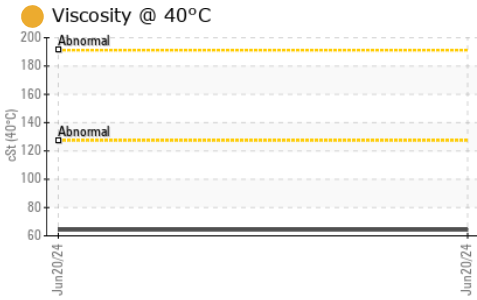
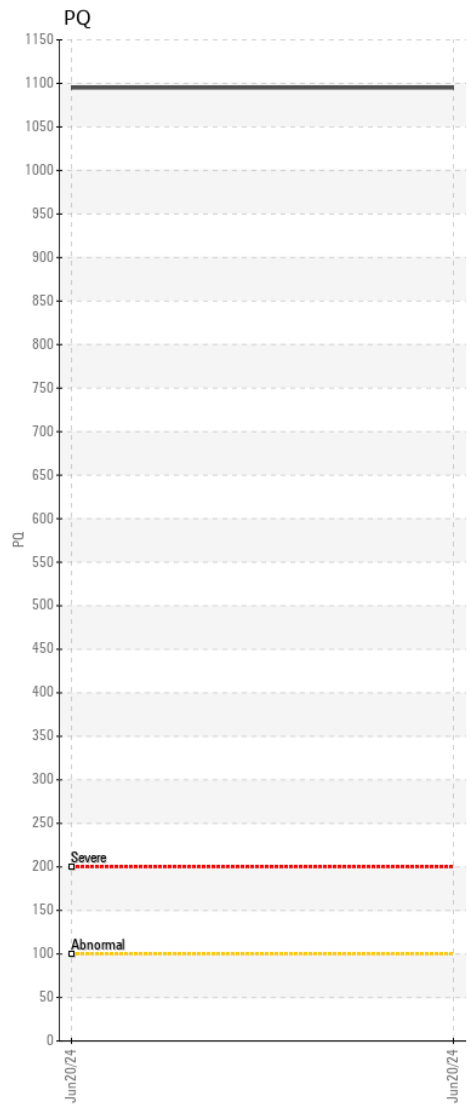
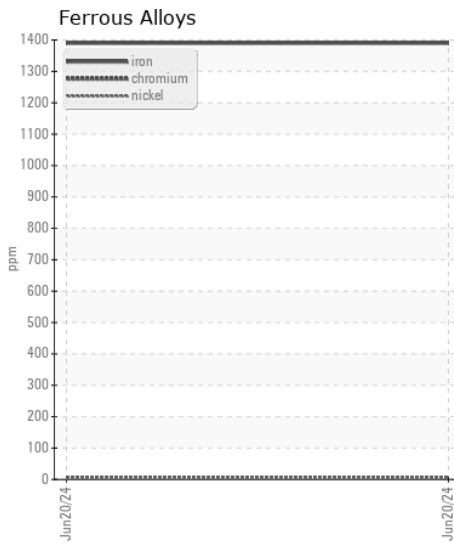
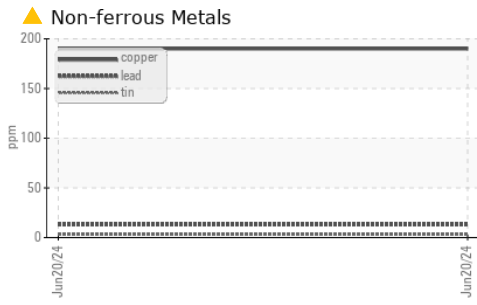
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>31	<b>15</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	---	---

### FLUID CONDITION

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>51	<b>17</b>	---	---
Boron	ppm	ASTM D5185m		<b>102</b>	---	---
Barium	ppm	ASTM D5185m		<b>2</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>7</b>	---	---
Manganese	ppm	ASTM D5185m		<b>● 47</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>9</b>	---	---
Calcium	ppm	ASTM D5185m		<b>● 3358</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>● 1124</b>	---	---
Zinc	ppm	ASTM D5185m		<b>● 1336</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>● 3228</b>	---	---
Visc @ 40°C	cSt	ASTM D445		<b>● 64.2</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0219426 **Received** : 24 Jun 2024  
**Lab Number** : 06218466 **Tested** : 25 Jun 2024  
**Unique Number** : 11096663 **Diagnosed** : 25 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

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)

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