



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

Machine Id  
**JOHN DEERE 324L 1LU324LHCZB068261**  
 Component  
**Front Right Final Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0209076</b>	JR0167743	---
Sample Date		Client Info		<b>16 Apr 2024</b>	27 Apr 2023	---
Machine Age	hrs	Client Info		<b>1311</b>	543	---
Oil Age	hrs	Client Info		<b>1311</b>	543	---
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>	None	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>605</b>	318	---
Iron	ppm	ASTM D5185m	>750	<b>866</b>	504	---
Chromium	ppm	ASTM D5185m	>9	<b>12</b>	7	---
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>2</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>2</b>	1	---
Lead	ppm	ASTM D5185m	>15	<b>1</b>	0	---
Copper	ppm	ASTM D5185m	>40	<b>2</b>	2	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

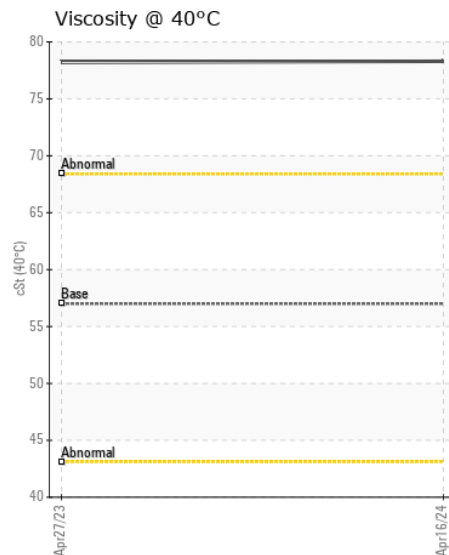
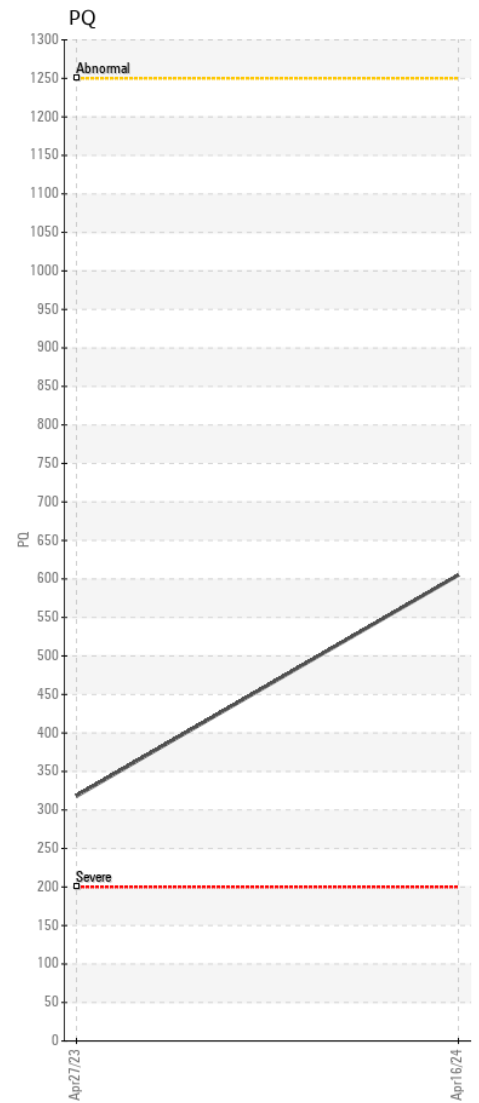
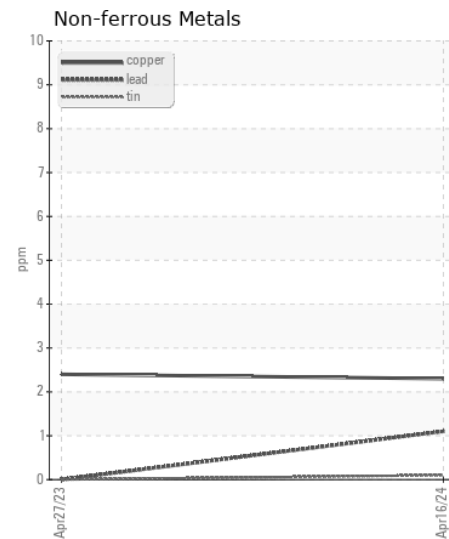
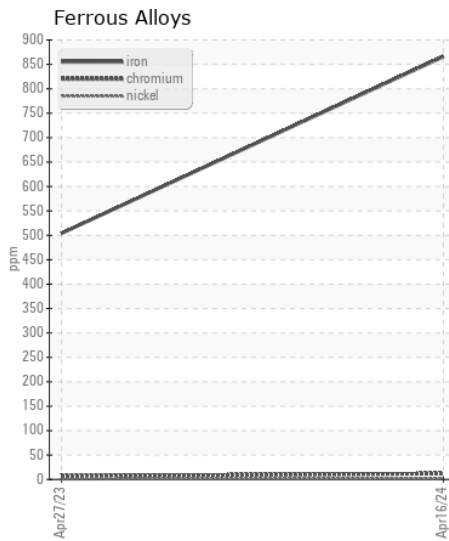
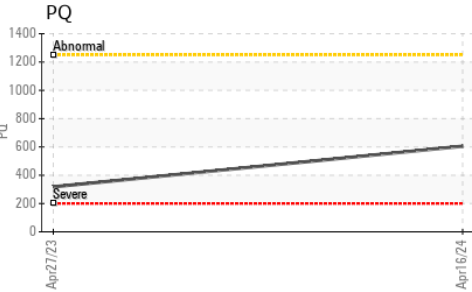
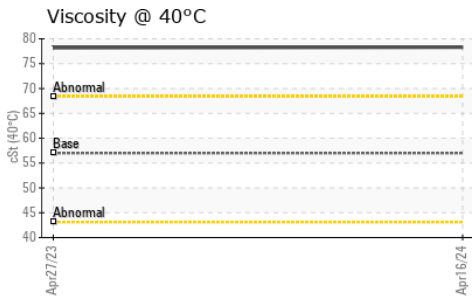
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>53</b>	47	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	1	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>LIGHT</b>	MODER	---
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	>0.075	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>2</b>	4	---
Boron	ppm	ASTM D5185m	6	<b>140</b>	118	---
Barium	ppm	ASTM D5185m	0	<b>19</b>	15	---
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>11</b>	6	---
Magnesium	ppm	ASTM D5185m	145	<b>4</b>	4	---
Calcium	ppm	ASTM D5185m	3570	<b>807</b>	787	---
Phosphorus	ppm	ASTM D5185m	1290	<b>662</b>	687	---
Zinc	ppm	ASTM D5185m	1640	<b>1421</b>	1387	---
Sulfur	ppm	ASTM D5185m		<b>6107</b>	7140	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>78.3</b>	78.2	---



Certificate L2367

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

**Sample No.** : JR0209076

**Lab Number** : 06153445

**Unique Number** : 10983523

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 18 Apr 2024

**Tested** : 19 Apr 2024

**Diagnosed** : 22 Apr 2024 - Angela Borella

**JRE - GARNER**

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GARNER, NC

US 27529

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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)