



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

Machine Id  
**JOHN DEERE 324L 1LU324LXCZB064685**  
 Component  
**Front 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>JR0201389</b>	JR0168425	JR0135763
Sample Date		Client Info		<b>08 Jan 2024</b>	18 Apr 2023	29 Jul 2022
Machine Age	hrs	Client Info		<b>2994</b>	2050	1054
Oil Age	hrs	Client Info		<b>944</b>	996	1054
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>87</b>	63	69
Iron	ppm	ASTM D5185m	>750	<b>95</b>	118	250
Chromium	ppm	ASTM D5185m	>9	<b>1</b>	1	4
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>&lt;1</b>	1	1
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>1</b>	<1	2
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

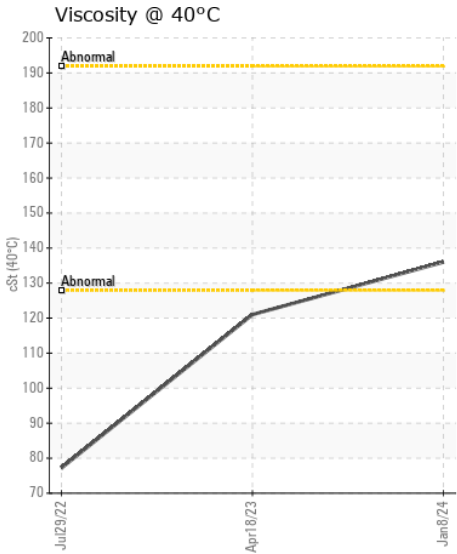
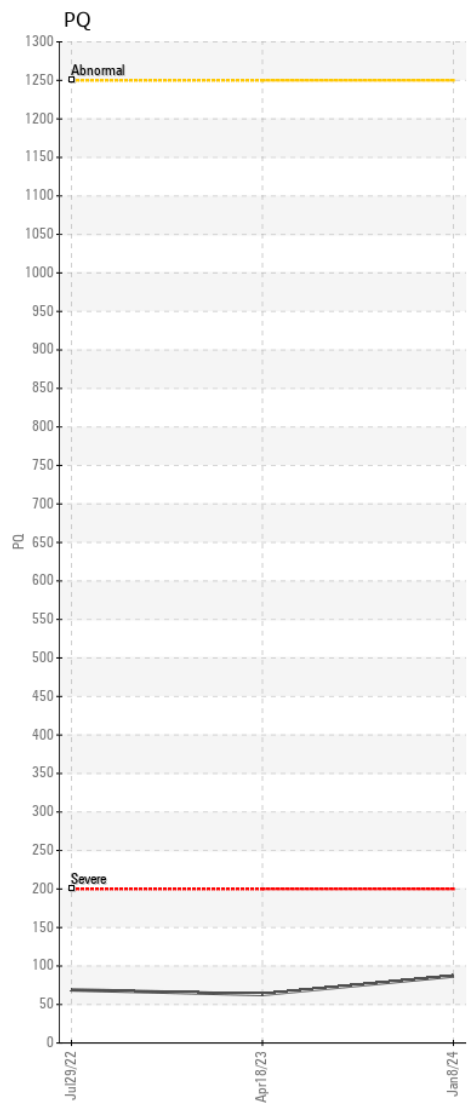
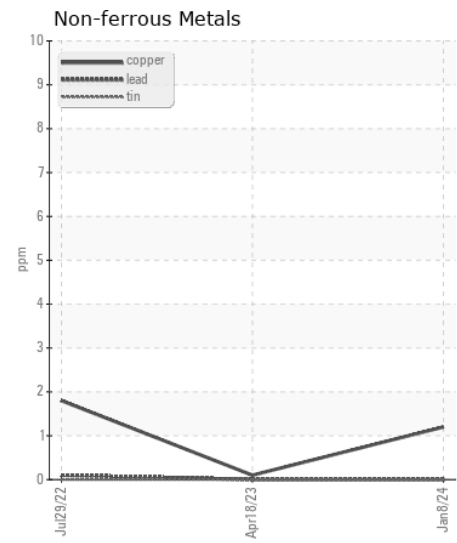
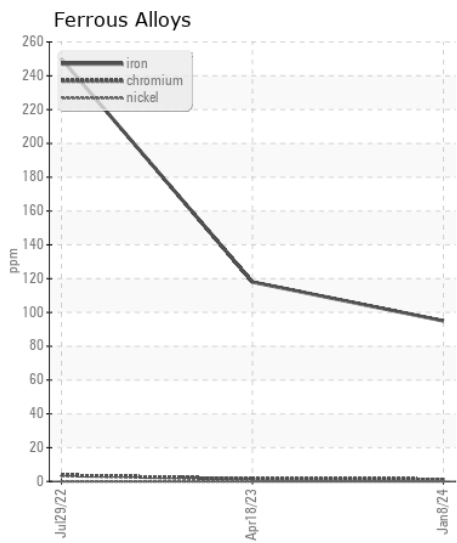
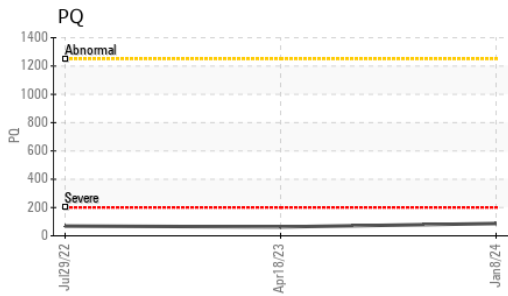
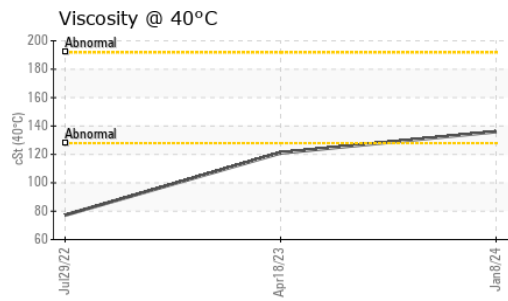
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	<b>6</b>	14	56
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	2
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>0</b>	1	2
Boron	ppm	ASTM D5185m		<b>169</b>	153	146
Barium	ppm	ASTM D5185m		<b>1</b>	0	25
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>2</b>	2	3
Magnesium	ppm	ASTM D5185m		<b>1</b>	3	4
Calcium	ppm	ASTM D5185m		<b>116</b>	196	857
Phosphorus	ppm	ASTM D5185m		<b>1009</b>	883	710
Zinc	ppm	ASTM D5185m		<b>145</b>	393	1540
Sulfur	ppm	ASTM D5185m		<b>21463</b>	18138	6882
Visc @ 40°C	cSt	ASTM D445		<b>136</b>	121	77.2



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0201389 **Received** : 16 Jan 2024  
**Lab Number** : 06062212 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 10833594 **Diagnostician** : Don Baldridge  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - ASHEVILLE**  
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Certificate L2367  
 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)