



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

Machine Id  
**JOHN DEERE 324L 1LU324LXCZB064685**  
 Component  
**Rear Right 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>JR0201452</b>	JR0168298	JR0135760
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>111</b>	103	111
Iron	ppm	ASTM D5185m	>750	<b>113</b>	139	394
Chromium	ppm	ASTM D5185m	>9	<b>2</b>	2	7
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	2
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>8</b>	11	36
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

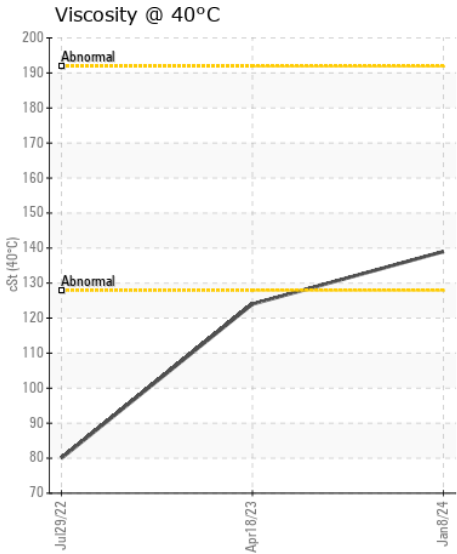
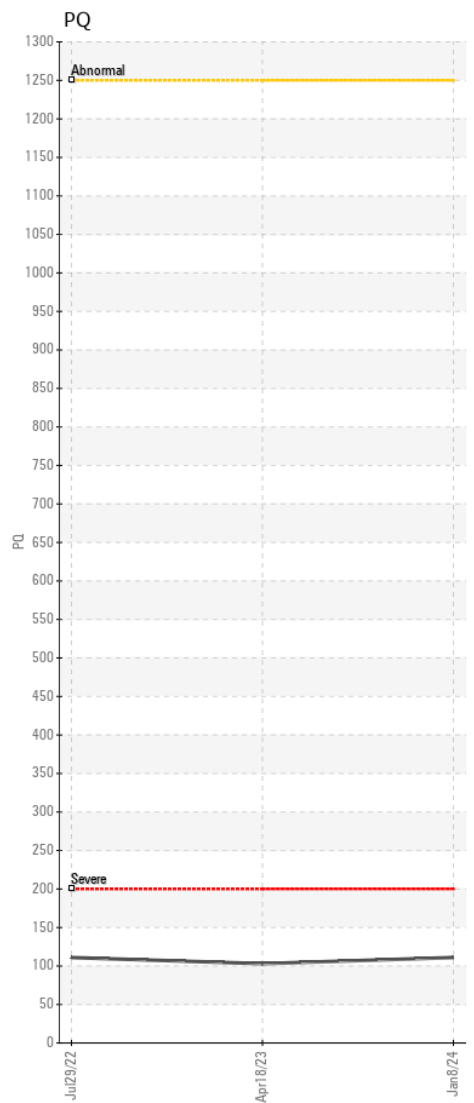
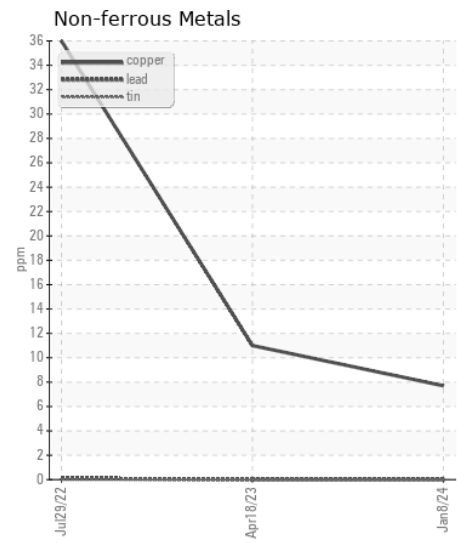
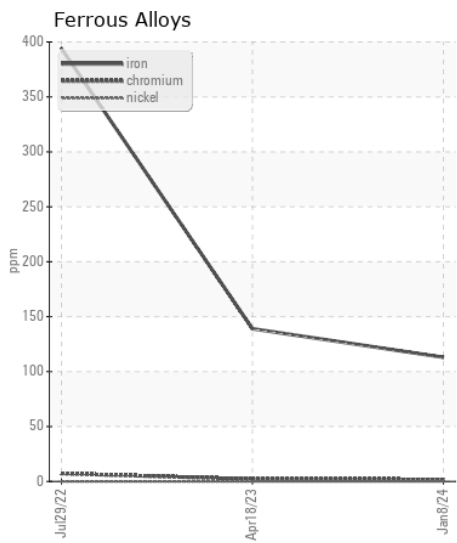
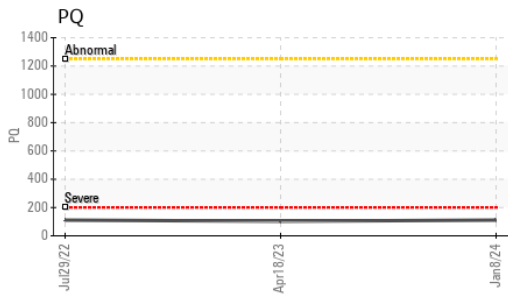
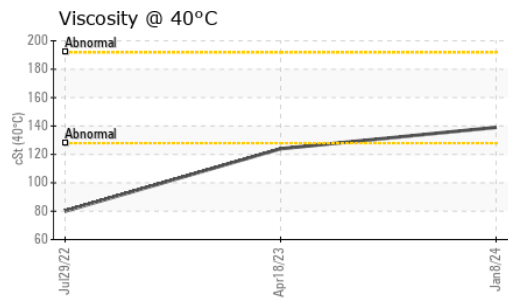
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	<b>5</b>	11	51
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>	2	3
Boron	ppm	ASTM D5185m		<b>177</b>	169	149
Barium	ppm	ASTM D5185m		<b>0</b>	2	15
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>2</b>	2	6
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	3	5
Calcium	ppm	ASTM D5185m		<b>104</b>	164	854
Phosphorus	ppm	ASTM D5185m		<b>1040</b>	922	714
Zinc	ppm	ASTM D5185m		<b>111</b>	327	1566
Sulfur	ppm	ASTM D5185m		<b>22472</b>	18647	7527
Visc @ 40°C	cSt	ASTM D445		<b>139</b>	124	80.0



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0201452 **Received** : 16 Jan 2024  
**Lab Number** : 06062214 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 10833596 **Diagnostician** : Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - ASHEVILLE**  
 101 BRUCE DRIVE  
 ASHEVILLE, NC  
 US 28806  
 Contact: Randy Warren  
 randy.warren@jamesriverequipment.com  
 T: (528)667-0176  
 F: (828)667-4865

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)