



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

Machine Id  
**JOHN DEERE 624L 1DW624LZALF707698**  
 Component  
**Rear Differential**  
 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>JR0212112</b>	JR0179902	JR0147443
Sample Date		Client Info		<b>21 Jun 2024</b>	06 Dec 2023	21 Oct 2022
Machine Age	hrs	Client Info		<b>6974</b>	5987	3975
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>67</b>	148	26
Iron	ppm	ASTM D5185m	>500	<b>206</b>	591	185
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	4	<1
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	3	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	2	4
Lead	ppm	ASTM D5185m	>25	<b>17</b>	21	▲ 120
Copper	ppm	ASTM D5185m	>100	<b>20</b>	23	● 54
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	3
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

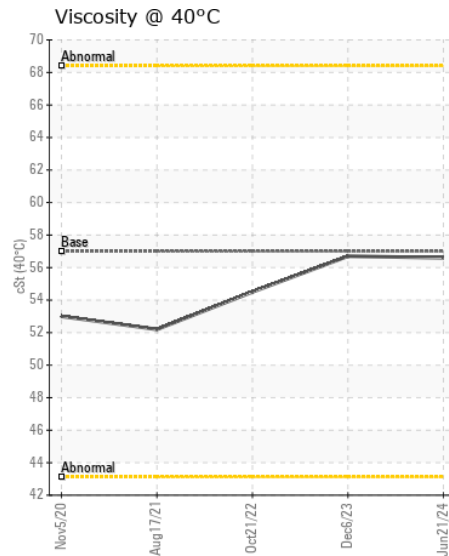
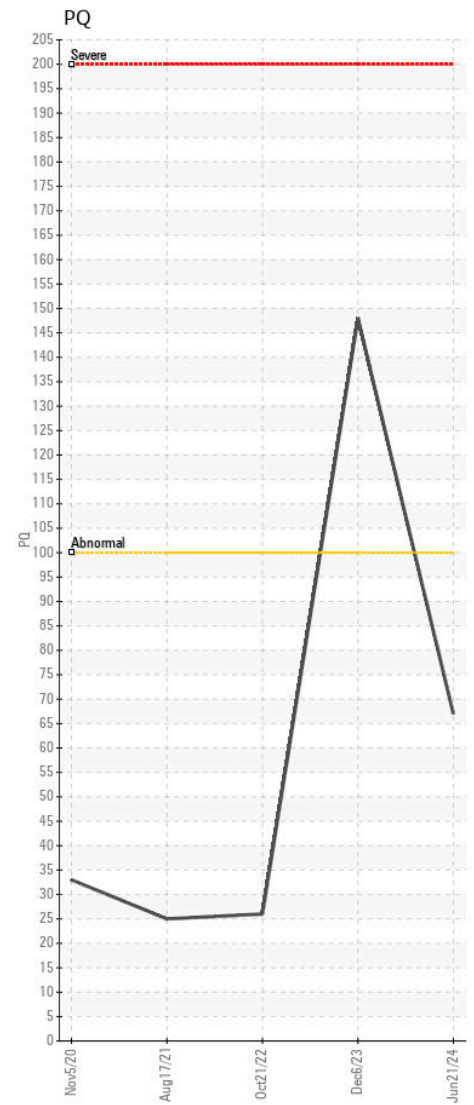
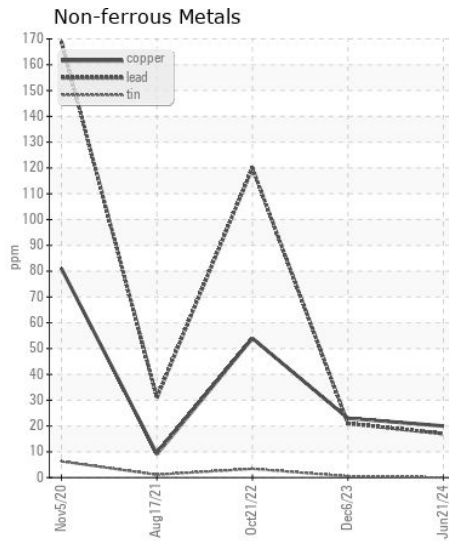
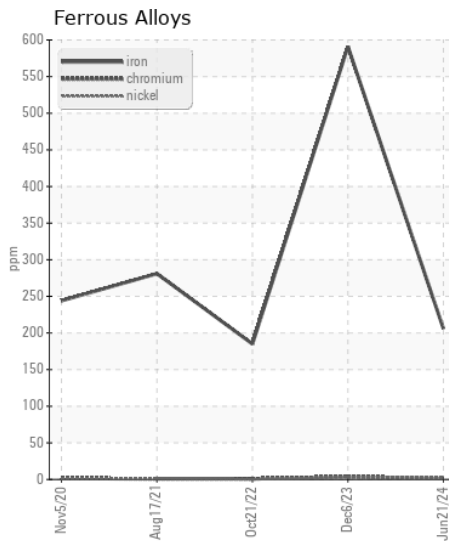
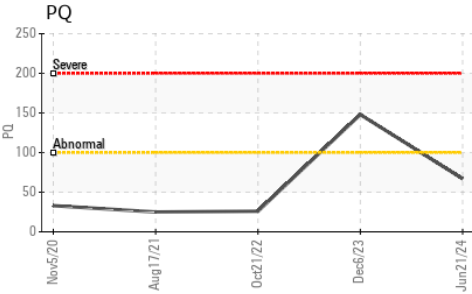
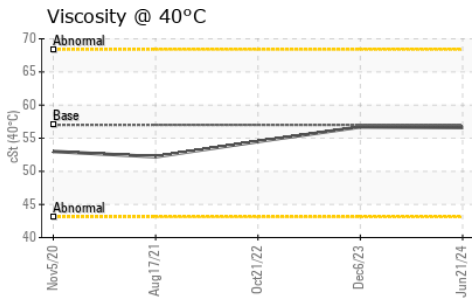
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>6</b>	18	6
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	2
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	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	>.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>3</b>	2	0
Boron	ppm	ASTM D5185m	6	<b>7</b>	0	1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	1	1
Manganese	ppm	ASTM D5185m		<b>2</b>	5	2
Magnesium	ppm	ASTM D5185m	145	<b>95</b>	12	80
Calcium	ppm	ASTM D5185m	3570	<b>2382</b>	1137	2957
Phosphorus	ppm	ASTM D5185m	1290	<b>984</b>	700	993
Zinc	ppm	ASTM D5185m	1640	<b>1032</b>	661	1100
Sulfur	ppm	ASTM D5185m		<b>3629</b>	2265	3995
Visc @ 40°C	cSt	ASTM D445	57.0	<b>56.6</b>	56.7	54.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0212112 **Received** : 25 Jun 2024  
**Lab Number** : 06219960 **Tested** : 26 Jun 2024  
**Unique Number** : 11098157 **Diagnosed** : 26 Jun 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

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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