



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

Machine Id  
**JOHN DEERE 624 P 1DW624PAVPLX19926**  
 Component  
**Front Axle**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0206329</b>	JR0198533	JR0187960
Sample Date		Client Info		<b>19 Apr 2024</b>	17 Jan 2024	28 Oct 2023
Machine Age	hrs	Client Info		<b>1642</b>	1131	580
Oil Age	hrs	Client Info		<b>1642</b>	1131	580
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Changed	Not Changd
Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL

### WEAR

Bearing and/or bushing wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>21</b>	24	173
Iron	ppm	ASTM D5185m	>750	<b>61</b>	53	10
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>2</b>	2	1
Lead	ppm	ASTM D5185m	>49	<b>▲ 30</b>	▲ 26	0
Copper	ppm	ASTM D5185m	>101	<b>▲ 203</b>	▲ 184	2
Tin	ppm	ASTM D5185m	>10	<b>▲ 8</b>	▲ 6	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

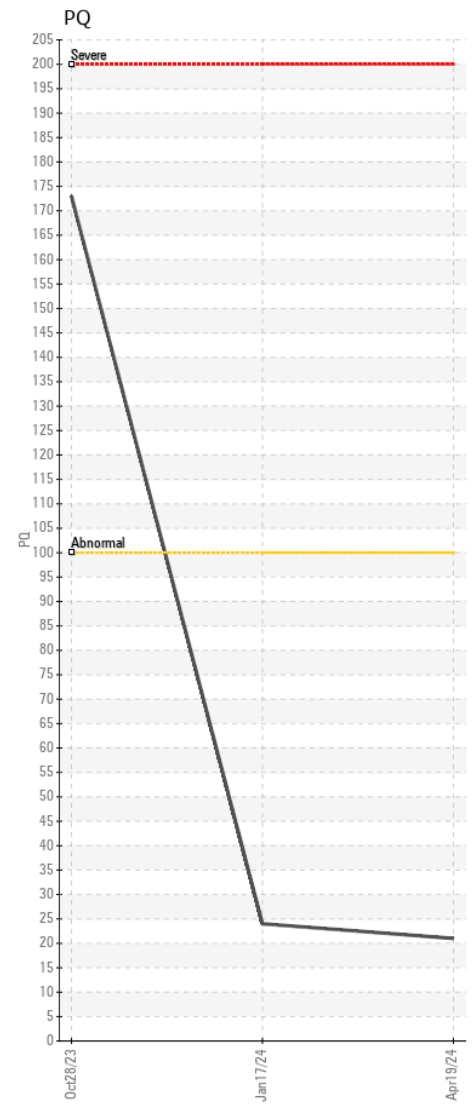
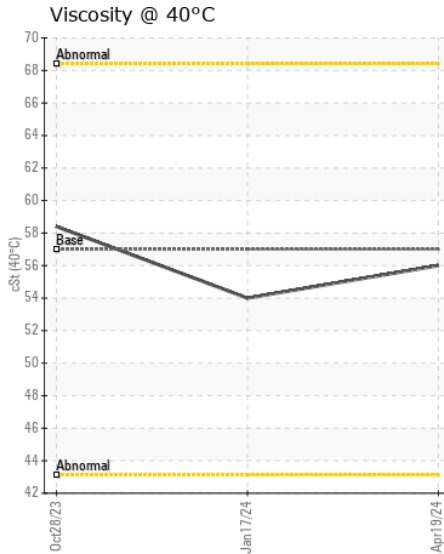
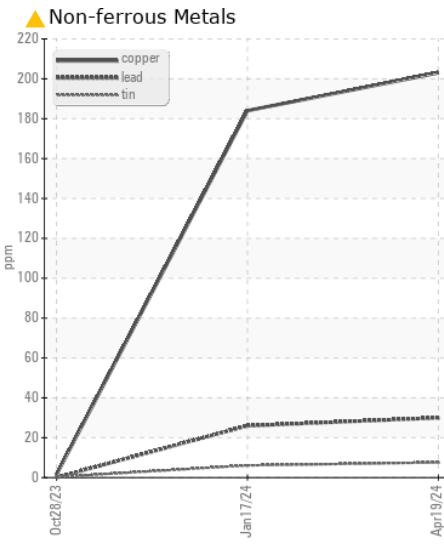
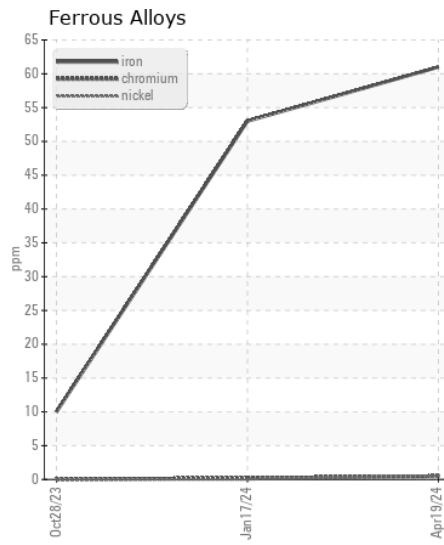
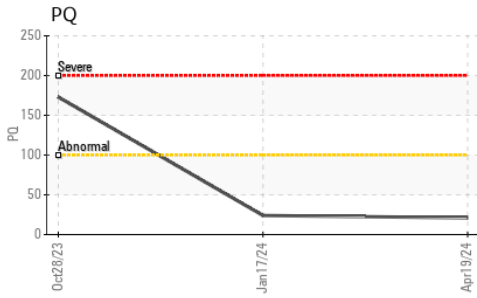
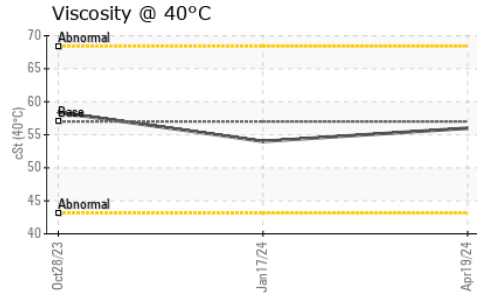
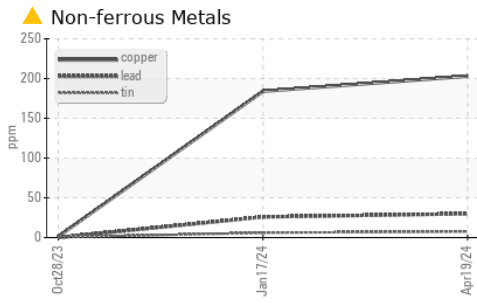
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>5</b>	3	7
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	4	1
Water		WC Method	>0.1	<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	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>6</b>	<1	1
Boron	ppm	ASTM D5185m	6	<b>2</b>	1	2
Barium	ppm	ASTM D5185m	0	<b>3</b>	3	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>2</b>	1	1
Magnesium	ppm	ASTM D5185m	145	<b>98</b>	91	92
Calcium	ppm	ASTM D5185m	3570	<b>3508</b>	3343	3200
Phosphorus	ppm	ASTM D5185m	1290	<b>1080</b>	1085	946
Zinc	ppm	ASTM D5185m	1640	<b>1260</b>	1114	1190
Sulfur	ppm	ASTM D5185m		<b>4078</b>	3990	3300
Visc @ 40°C	cSt	ASTM D445	57.0	<b>56.0</b>	54.0	58.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0206329 **Received** : 23 Apr 2024  
**Lab Number** : 06157945 **Tested** : 24 Apr 2024  
**Unique Number** : 10993368 **Diagnosed** : 25 Apr 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

**CARLTON'S BACKHOE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269  
 Contact: LEO

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)

T: (704)547-0211

F: