



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

Machine Id  
**JOHN DEERE 624 P 1DW624PAKNLT15632**  
 Component  
**Transmission (Manual)**  
 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>JR0205457</b>	JR0178449	---
Sample Date		Client Info		<b>19 Apr 2024</b>	31 Aug 2023	---
Machine Age	hrs	Client Info		<b>948</b>	485	---
Oil Age	hrs	Client Info		<b>948</b>	485	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

### WEAR

Metal levels are typical for a new component breaking in.

Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184	>95	<b>26</b>	11	---
Iron	ppm	ASTM D5185m	>200	<b>72</b>	14	---
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m	>7	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	3	---
Lead	ppm	ASTM D5185m	>45	<b>30</b>	0	---
Copper	ppm	ASTM D5185m	>225	<b>254</b>	6	---
Tin	ppm	ASTM D5185m	>10	<b>4</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

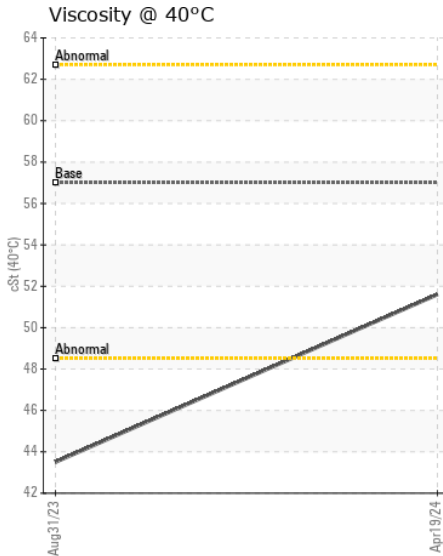
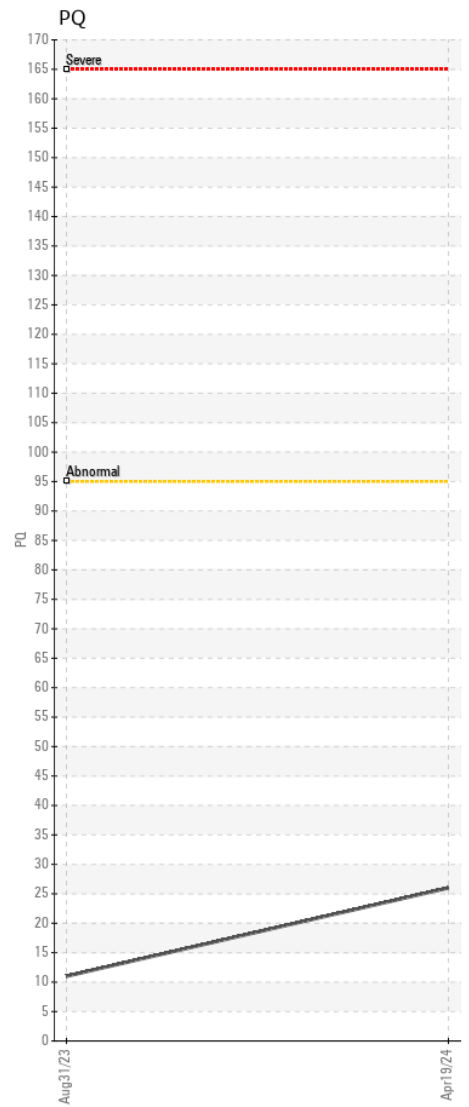
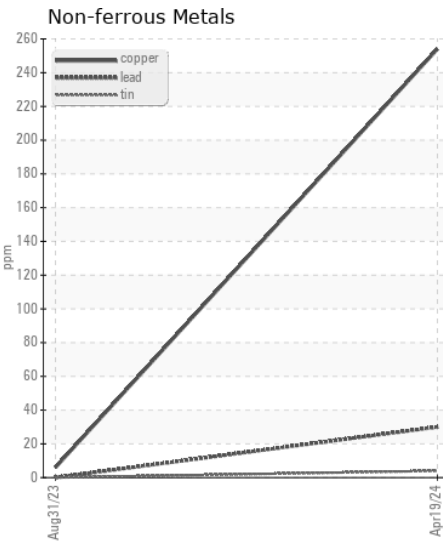
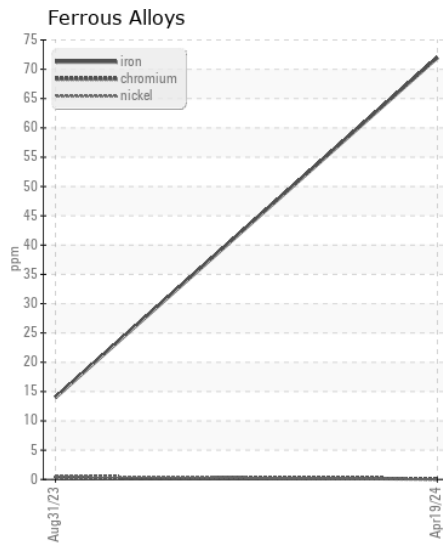
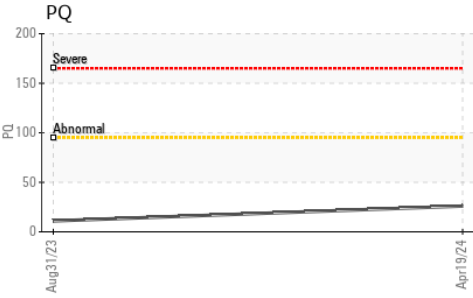
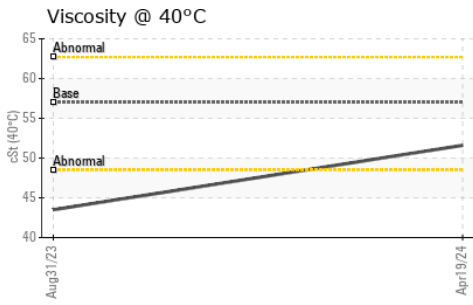
There is no indication of any contamination in the fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>125	<b>6</b>	▲ 41	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
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	>0.1	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		<b>6</b>	24	---
Boron	ppm	ASTM D5185m	6	<b>&lt;1</b>	<1	---
Barium	ppm	ASTM D5185m	0	<b>3</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	2	---
Manganese	ppm	ASTM D5185m		<b>3</b>	<1	---
Magnesium	ppm	ASTM D5185m	145	<b>94</b>	85	---
Calcium	ppm	ASTM D5185m	3570	<b>3284</b>	3213	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1003</b>	986	---
Zinc	ppm	ASTM D5185m	1640	<b>1145</b>	1199	---
Sulfur	ppm	ASTM D5185m		<b>3849</b>	3860	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>51.6</b>	43.5	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0205457 **Received** : 23 Apr 2024  
**Lab Number** : 06157900 **Tested** : 24 Apr 2024  
**Unique Number** : 10993323 **Diagnosed** : 24 Apr 2024 - Don Baldrige  
**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: