



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

Machine Id  
**JOHN DEERE 624P 1DW624PAPMLZ11868**

Component  
**Brake**

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>JR0203394</b>	JR0178105	JR0119577
Sample Date		Client Info		<b>18 Feb 2024</b>	07 Sep 2023	23 Mar 2022
Machine Age	hrs	Client Info		<b>4294</b>	3480	952
Oil Age	hrs	Client Info		<b>814</b>	2528	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	SEVERE

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>19</b>	88	48
Iron	ppm	ASTM D5185m	>350	<b>23</b>	208	74
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	2	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	12
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	4	6
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m	>8	<b>2</b>	▲ 54	6
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	8	11
Copper	ppm	ASTM D5185m	>150	<b>8</b>	2	4
Tin	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

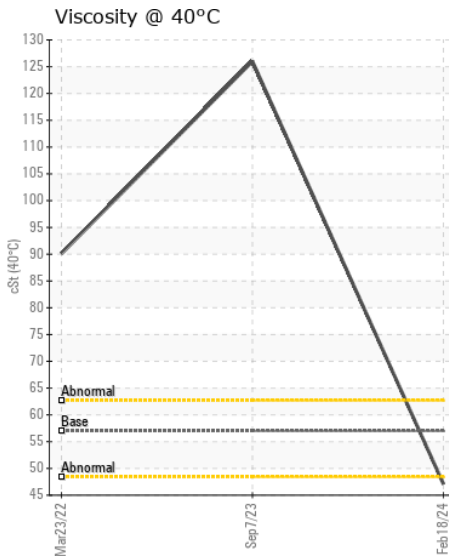
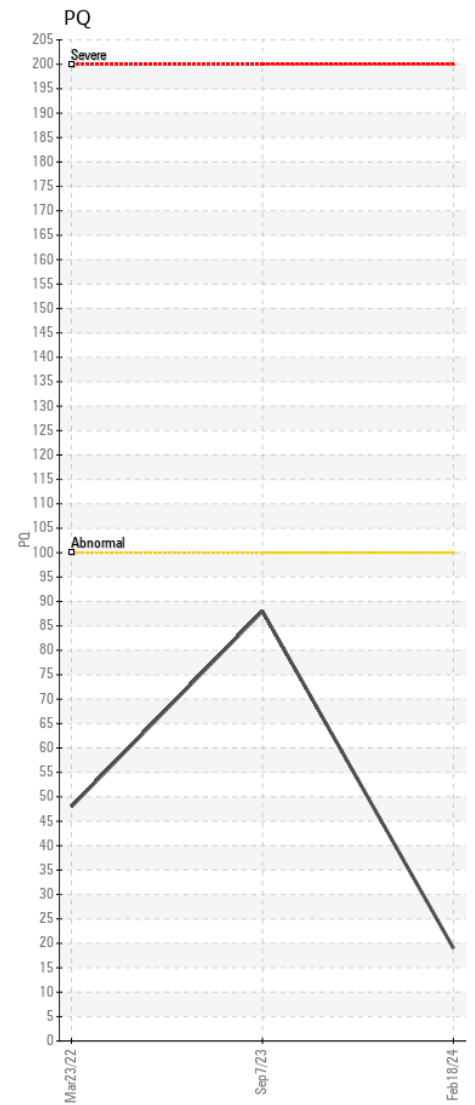
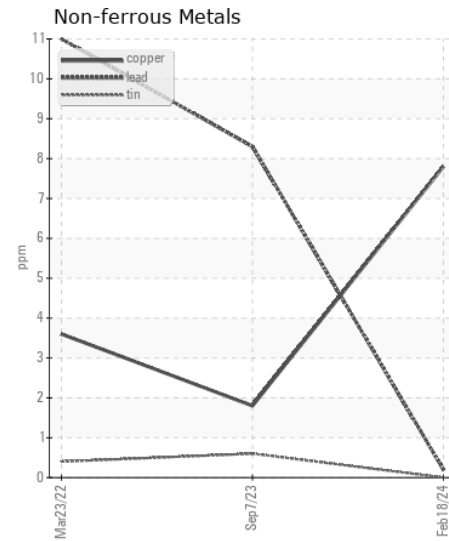
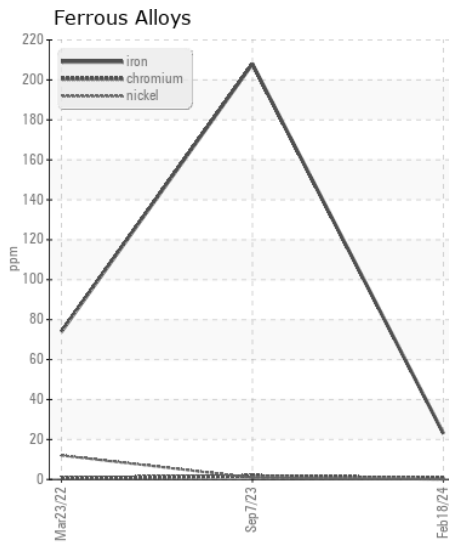
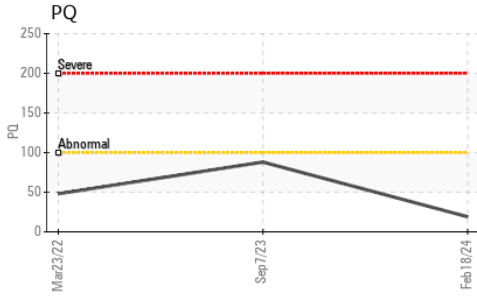
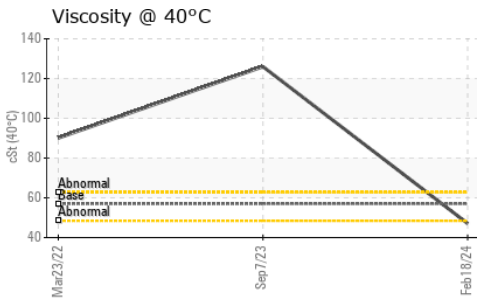
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	<b>31</b>	▲ 511	● 1761
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	22	13
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
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	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>6</b>	35	27
Boron	ppm	ASTM D5185m	6	<b>2</b>	171	191
Barium	ppm	ASTM D5185m	0	<b>14</b>	12	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	307	376
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	4	2
Magnesium	ppm	ASTM D5185m	145	<b>76</b>	202	370
Calcium	ppm	ASTM D5185m	3570	<b>2761</b>	8592	3429
Phosphorus	ppm	ASTM D5185m	1290	<b>937</b>	1655	938
Zinc	ppm	ASTM D5185m	1640	<b>1062</b>	1040	733
Sulfur	ppm	ASTM D5185m		<b>4258</b>	5370	2866
Visc @ 40°C	cSt	ASTM D445	57.0	<b>47.1</b>	▲ 126	90.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0203394 **Received** : 23 Feb 2024  
**Lab Number** : 06099360 **Tested** : 26 Feb 2024  
**Unique Number** : 10897590 **Diagnosed** : 27 Feb 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269  
 Contact: CHARLOTTE SHOP  
 myoung@jamesriverequipment.com  
 T: (704)597-0211  
 F: (704)596-6198

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)