



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

Machine Id  
**JOHN DEERE 624 P 1DW624PAAPLX19586**

Component  
**Front Axle**

Fluid  
**JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0206257</b>	JR0198495	JR0187976
Sample Date		Client Info		<b>11 Apr 2024</b>	17 Jan 2024	24 Oct 2023
Machine Age	hrs	Client Info		<b>1574</b>	1108	636
Oil Age	hrs	Client Info		<b>1574</b>	1108	636
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	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>19</b>	19	19
Iron	ppm	ASTM D5185m	>750	<b>&lt;1</b>	35	40
Chromium	ppm	ASTM D5185m	>11	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>&lt;1</b>	2	0
Lead	ppm	ASTM D5185m	>49	<b>0</b>	15	15
Copper	ppm	ASTM D5185m	>101	<b>0</b>	▲ 171	▲ 125
Tin	ppm	ASTM D5185m	>10	<b>1</b>	6	5
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

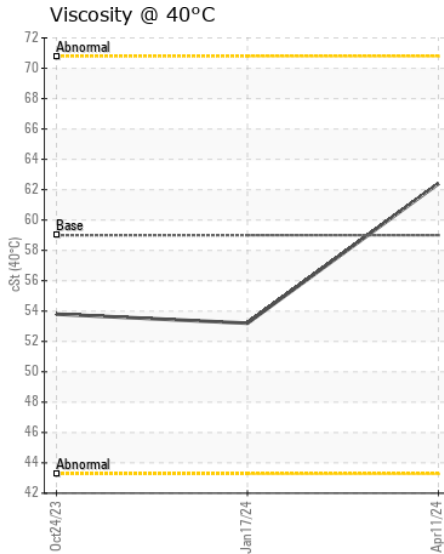
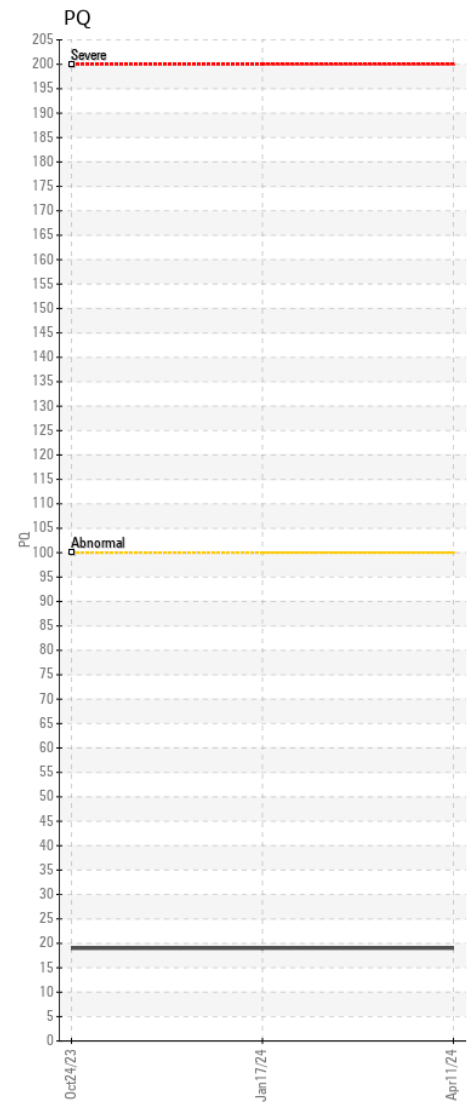
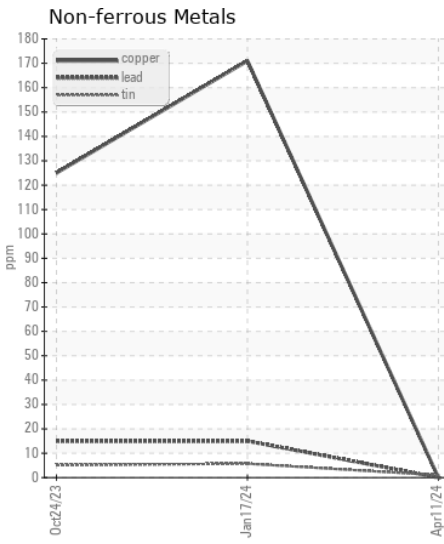
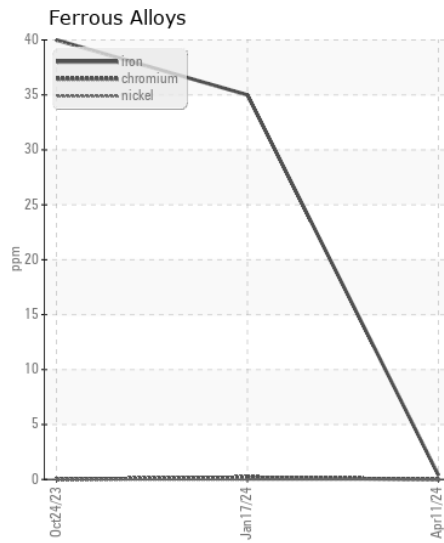
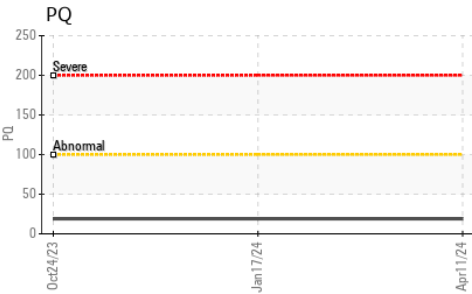
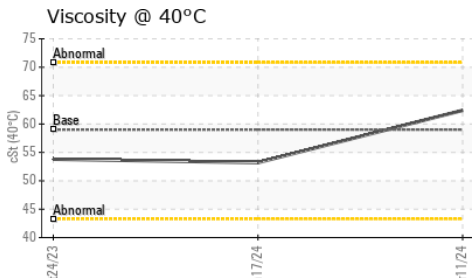
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>4</b>	3	4
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	4	2
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>&lt;1</b>	3	8
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	1	3
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	4	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	2
Magnesium	ppm	ASTM D5185m		<b>101</b>	89	89
Calcium	ppm	ASTM D5185m		<b>3279</b>	3280	3286
Phosphorus	ppm	ASTM D5185m		<b>976</b>	1044	987
Zinc	ppm	ASTM D5185m		<b>1173</b>	1124	1181
Sulfur	ppm	ASTM D5185m		<b>4057</b>	4132	3499
Visc @ 40°C	cSt	ASTM D445	59	<b>62.4</b>	53.2	53.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0206257 **Received** : 15 Apr 2024  
**Lab Number** : 06149622 **Tested** : 16 Apr 2024  
**Unique Number** : 10979700 **Diagnosed** : 16 Apr 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269

Contact: CHARLOTTE SHOP  
 myoung@jamesriverequipment.com

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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