



# OIL ANALYSIS REPORT

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

Machine Id  
**JOHN DEERE 624P 1DW624PAANLZ16271**  
 Component  
**Transmission (Auto)**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WE0006974</b>	WE0006467	WE0005163
Sample Date		Client Info		<b>12 Apr 2024</b>	29 Dec 2023	19 Oct 2023
Machine Age	hrs	Client Info		<b>3973</b>	3451	2537
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>Changed</b>	N/A	Not Changd
Filter Changed		Client Info		<b>Changed</b>	N/A	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>17</b>	16	12
Iron	ppm	ASTM D5185m	>160	<b>28</b>	19	12
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m	>50	<b>2</b>	2	2
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>225	<b>7</b>	4	4
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
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

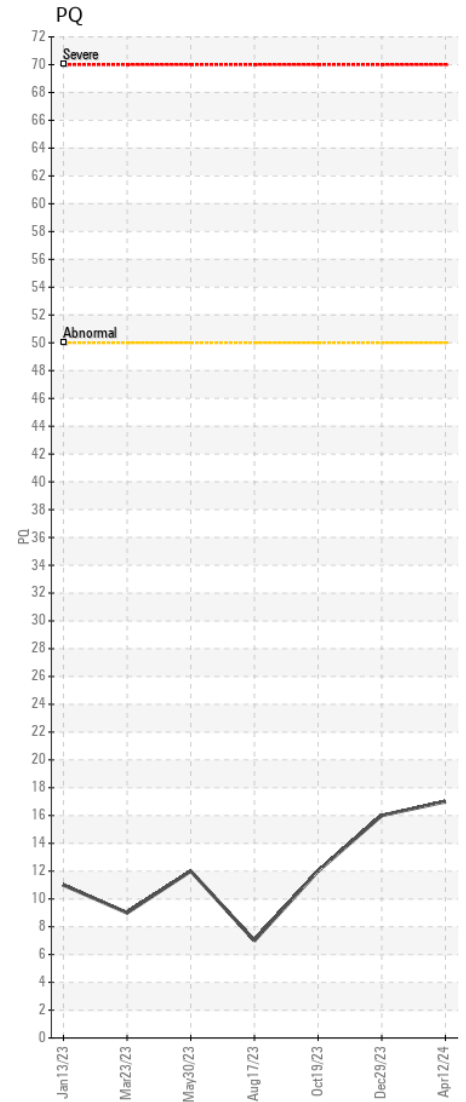
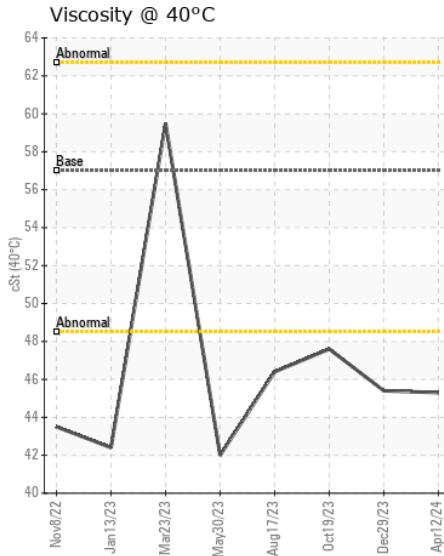
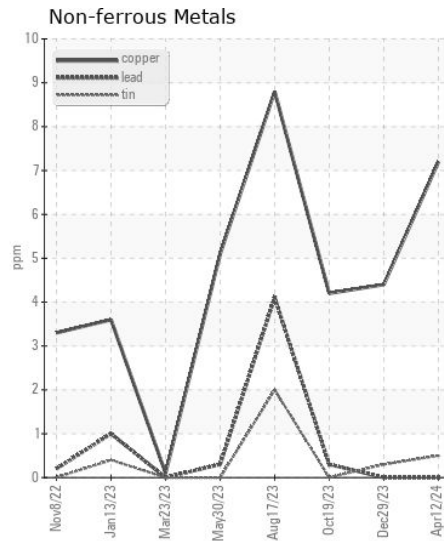
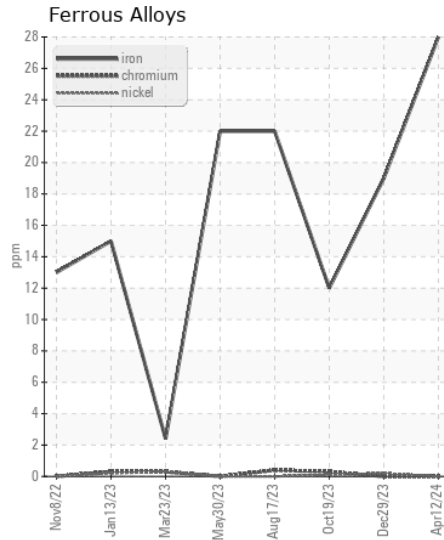
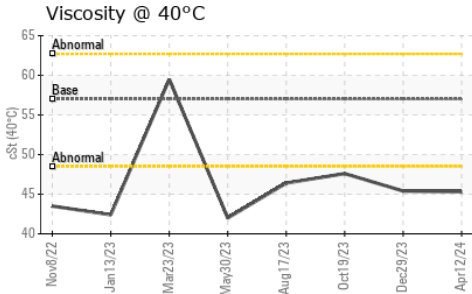
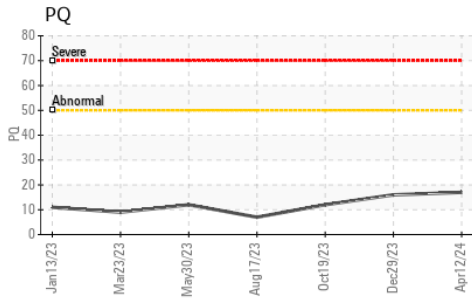
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>12</b>	11	14
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	<1	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>	LIGHT	▲ MODER
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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>14</b>	13	8
Boron	ppm	ASTM D5185m	6	<b>1</b>	0	<1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	10
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	1
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	<1
Magnesium	ppm	ASTM D5185m	145	<b>90</b>	92	89
Calcium	ppm	ASTM D5185m	3570	<b>3186</b>	3163	3323
Phosphorus	ppm	ASTM D5185m	1290	<b>1110</b>	1043	1139
Zinc	ppm	ASTM D5185m	1640	<b>1286</b>	1291	1261
Sulfur	ppm	ASTM D5185m		<b>4291</b>	3601	4006
Visc @ 40°C	cSt	ASTM D445	57.0	<b>45.3</b>	45.4	47.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0006974 **Received** : 17 Apr 2024  
**Lab Number** : 06152212 **Tested** : 18 Apr 2024  
**Unique Number** : 10982290 **Diagnosed** : 22 Apr 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT**  
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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)