



# OIL ANALYSIS REPORT

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

Area  
**[127685]**

Machine Id  
**JOHN DEERE 624P 1DW624PATPLX18641**

Component  
**Brake**

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>WE0007892</b>	WE0006923	WE0006460
Sample Date		Client Info		<b>11 Jul 2024</b>	01 Apr 2024	07 Feb 2024
Machine Age	hrs	Client Info		<b>1498</b>	1022	723
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>N/A</b>	Changed	N/A
Filter Changed		Client Info		<b>N/A</b>	Not Changd	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>20</b>	100	16
Iron	ppm	ASTM D5185m	>350	<b>33</b>	150	100
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>8	<b>3</b>	4	0
Lead	ppm	ASTM D5185m	>10	<b>15</b>	6	▲ 84
Copper	ppm	ASTM D5185m	>150	<b>34</b>	4	▲ 71
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

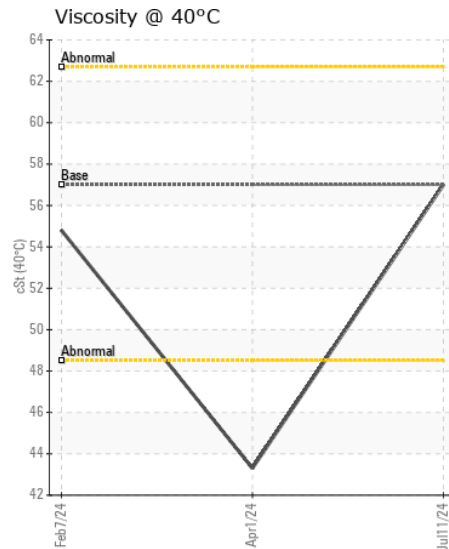
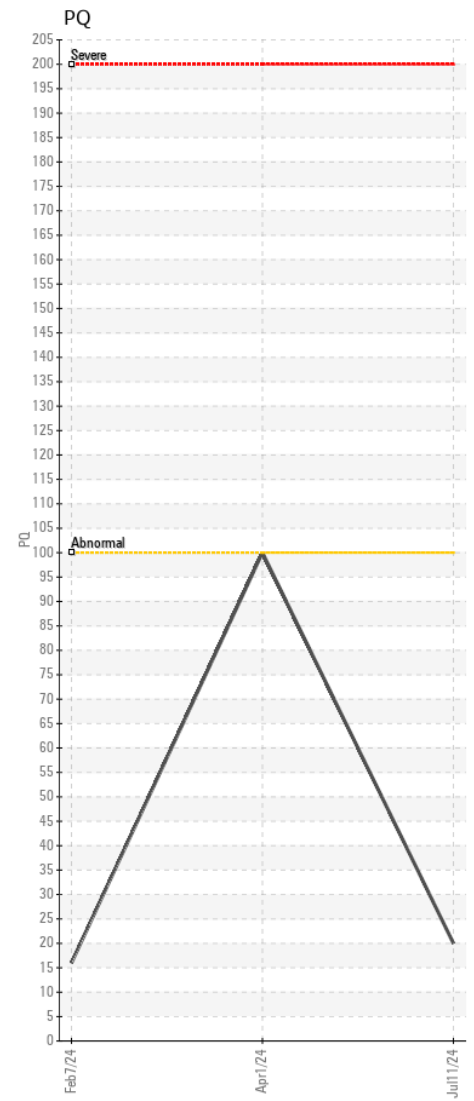
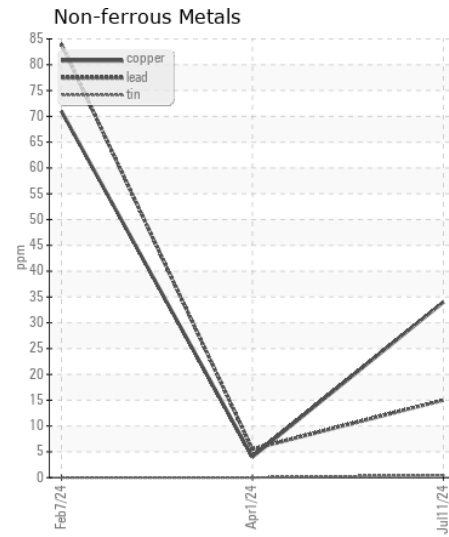
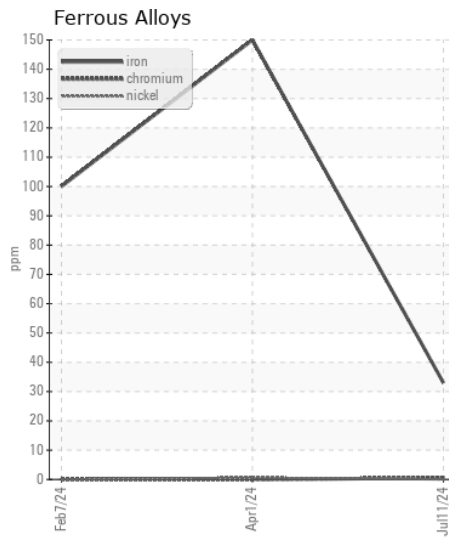
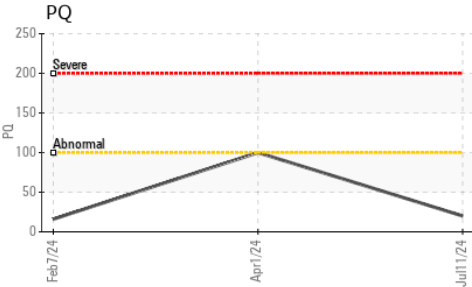
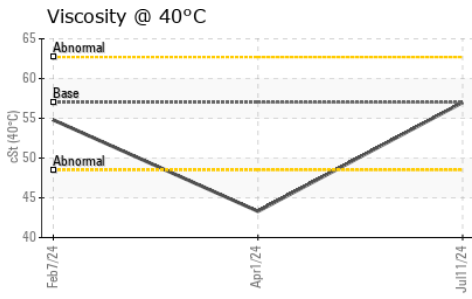
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>400	<b>9</b>	378	6
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	0
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	6	5
Boron	ppm	ASTM D5185m	6	<b>20</b>	83	1
Barium	ppm	ASTM D5185m	0	<b>0</b>	4	2
Molybdenum	ppm	ASTM D5185m	0	<b>21</b>	253	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	2	2
Magnesium	ppm	ASTM D5185m	145	<b>148</b>	427	92
Calcium	ppm	ASTM D5185m	3570	<b>3450</b>	1322	3150
Phosphorus	ppm	ASTM D5185m	1290	<b>870</b>	554	994
Zinc	ppm	ASTM D5185m	1640	<b>1222</b>	668	1245
Sulfur	ppm	ASTM D5185m		<b>3358</b>	2224	3496
Visc @ 40°C	cSt	ASTM D445	57.0	<b>57.0</b>	43.3	54.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0007892  
**Lab Number** : 06238072  
**Unique Number** : 11126906  
**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)