



# OIL ANALYSIS REPORT

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

Machine Id  
**JOHN DEERE 844L 1DW844LXCNL714937**  
 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>WE0006836</b>	WE0006375	WE0005134
Sample Date		Client Info		<b>10 Apr 2024</b>	02 Feb 2024	20 Oct 2023
Machine Age	hrs	Client Info		<b>3472</b>	3039	2456
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>Not Changd</b>	Changed	N/A
Filter Changed		Client Info		<b>Not Changd</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>39</b>	11	65
Iron	ppm	ASTM D5185m	>350	<b>80</b>	10	130
Chromium	ppm	ASTM D5185m	>5	<b>2</b>	0	<1
Nickel	ppm	ASTM D5185m	>5	<b>2</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>1</b>	0	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>8	<b>2</b>	1	1
Lead	ppm	ASTM D5185m	>10	<b>3</b>	1	3
Copper	ppm	ASTM D5185m	>150	<b>4</b>	2	48
Tin	ppm	ASTM D5185m	>5	<b>3</b>	0	2
Vanadium	ppm	ASTM D5185m		<b>1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

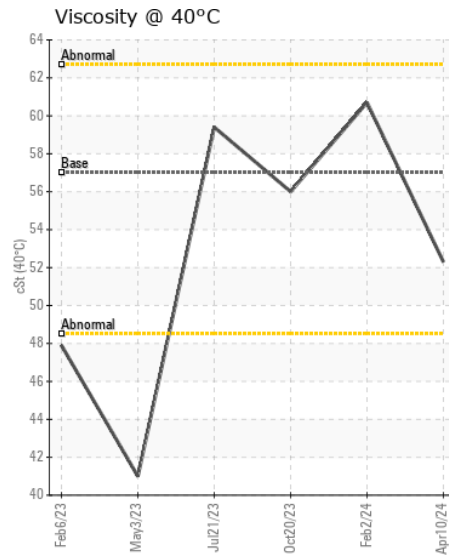
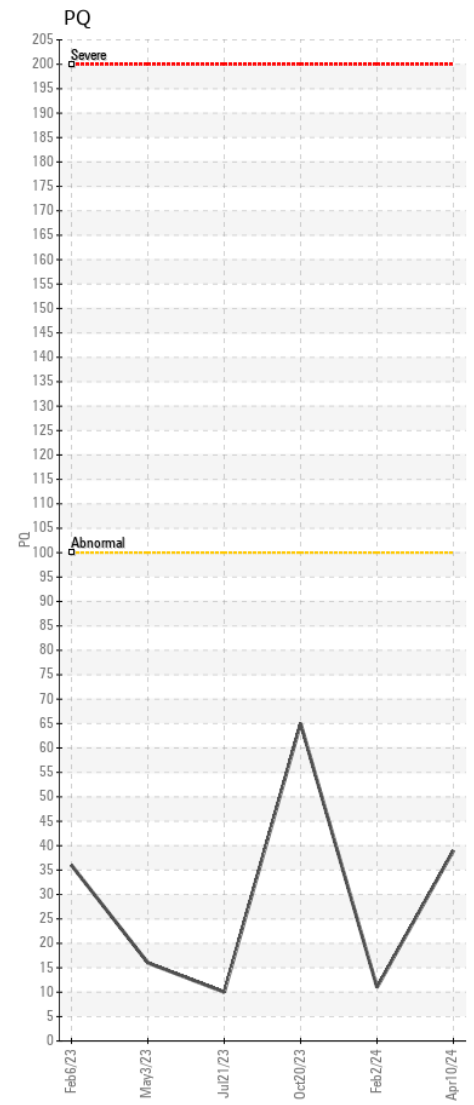
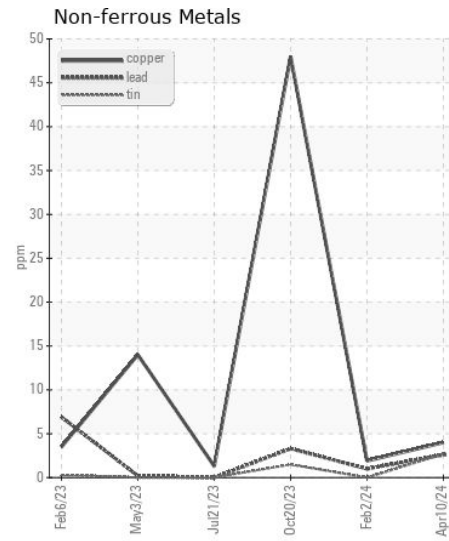
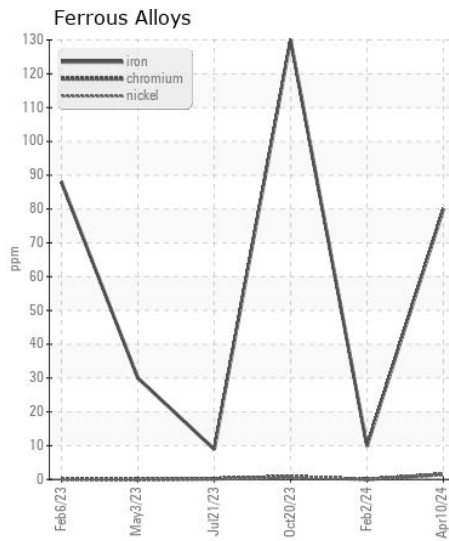
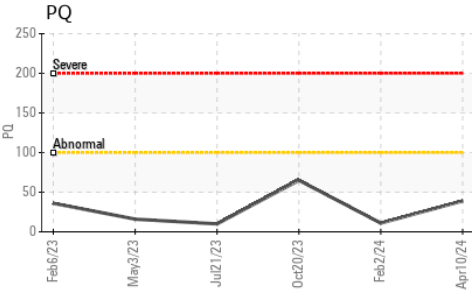
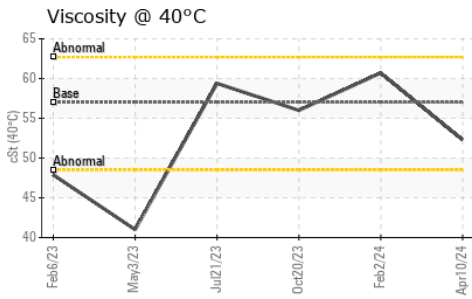
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>400	<b>83</b>	6	14
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	2	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>4</b>	<1	3
Boron	ppm	ASTM D5185m	6	<b>23</b>	0	8
Barium	ppm	ASTM D5185m	0	<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>55</b>	0	7
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	7
Magnesium	ppm	ASTM D5185m	145	<b>173</b>	109	109
Calcium	ppm	ASTM D5185m	3570	<b>3534</b>	3385	3549
Phosphorus	ppm	ASTM D5185m	1290	<b>967</b>	1011	1049
Zinc	ppm	ASTM D5185m	1640	<b>1066</b>	1274	1304
Sulfur	ppm	ASTM D5185m		<b>3834</b>	3453	3633
Visc @ 40°C	cSt	ASTM D445	57.0	<b>52.3</b>	60.7	56.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0006836 **Received** : 16 Apr 2024  
**Lab Number** : 06150684 **Tested** : 17 Apr 2024  
**Unique Number** : 10980762 **Diagnosed** : 18 Apr 2024 - Sean Felton  
**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)