



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id  
**JOHN DEERE 844L 1DW844LXHNL714031**  
 Component  
**Front Differential**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

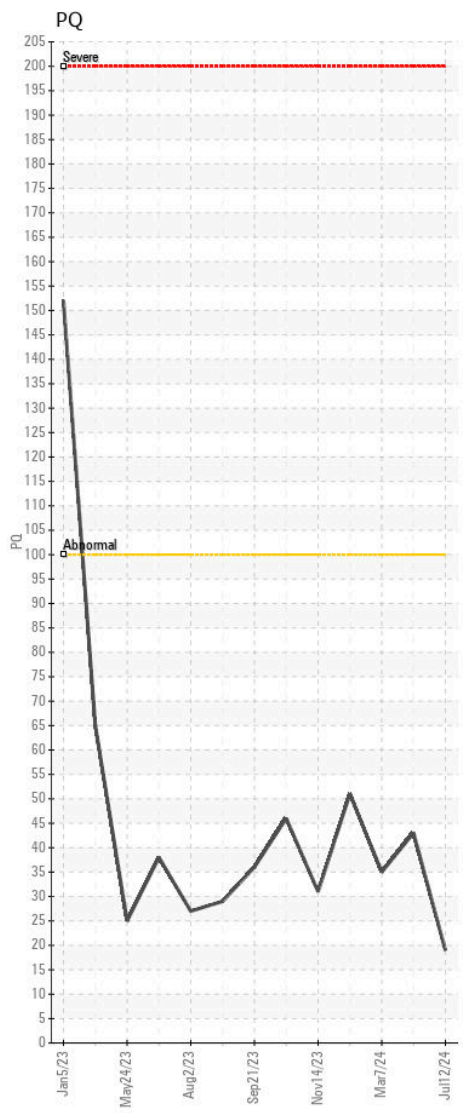
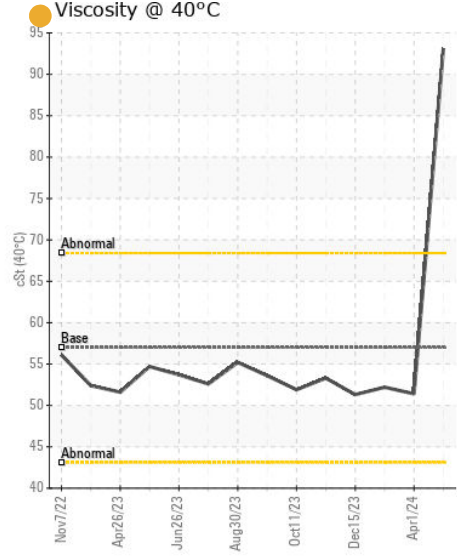
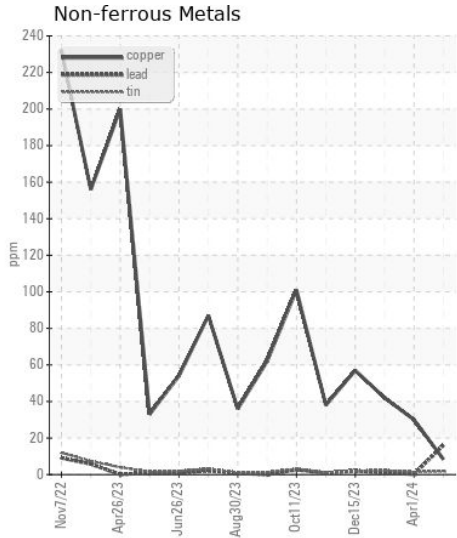
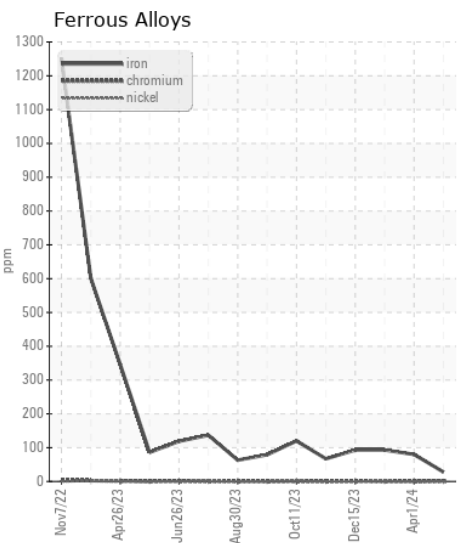
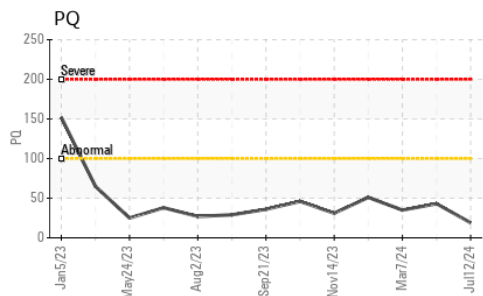
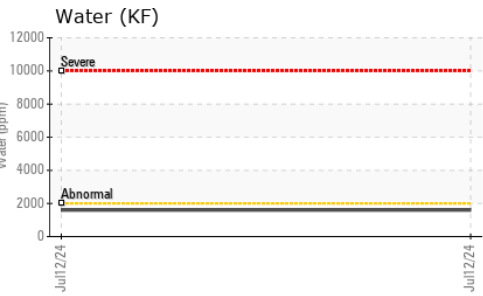
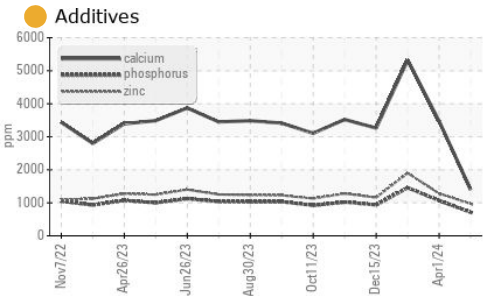
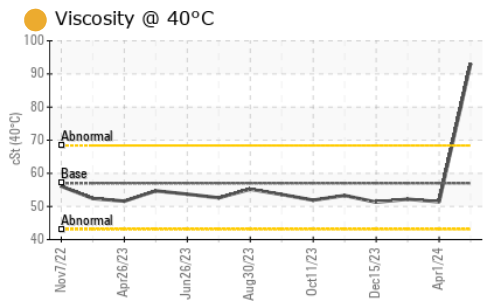
The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WE0007446</b>	WE0005244	WE0005258
Sample Date		Client Info		<b>12 Jul 2024</b>	01 Apr 2024	07 Mar 2024
Machine Age	hrs	Client Info		<b>15954</b>	13745	13178
Oil Age	hrs	Client Info		<b>500</b>	745	500
Filter Age	hrs	Client Info		<b>500</b>	745	500
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL

PQ		ASTM D8184		<b>19</b>	43	35
Iron	ppm	ASTM D5185m	>500	<b>28</b>	80	93
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>8</b>	<1	2
Lead	ppm	ASTM D5185m	>25	<b>16</b>	<1	<1
Copper	ppm	ASTM D5185m	>100	<b>8</b>	30	42
Tin	ppm	ASTM D5185m	>10	<b>2</b>	1	2
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	NONE

Silicon	ppm	ASTM D5185m	>75	<b>10</b>	8	14
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	0	2
Water	%	ASTM D6304	>.2	<b>0.160</b>	---	---
ppm Water	ppm	ASTM D6304	>2000	<b>1600</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
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	>.2	<b>0.2%</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>3</b>	<1	0
Boron	ppm	ASTM D5185m	6	<b>19</b>	2	0
Barium	ppm	ASTM D5185m	0	<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>254</b>	0	1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185m	145	<b>791</b>	98	147
Calcium	ppm	ASTM D5185m	3570	<b>1399</b>	3474	5321
Phosphorus	ppm	ASTM D5185m	1290	<b>714</b>	1066	1457
Zinc	ppm	ASTM D5185m	1640	<b>971</b>	1281	1899
Sulfur	ppm	ASTM D5185m		<b>3127</b>	4504	5722
Visc @ 40°C	cSt	ASTM D445	57.0	<b>93.1</b>	51.4	52.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0007446 **Received** : 17 Jul 2024  
**Lab Number** : 06239366 **Tested** : 18 Jul 2024  
**Unique Number** : 11128200 **Diagnosed** : 19 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: KF, PQ )

**WARRIOR TRACTOR AND EQUIPMENT - MONROEVILLE**  
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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)