



# OIL ANALYSIS REPORT

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

Machine Id  
**JOHN DEERE 844L 1DW844LXANL715628**  
 Component  
**Front Differential**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WE0007504</b>	WE0005385	WE0005413
Sample Date		Client Info		<b>11 Jun 2024</b>	13 Nov 2023	21 Sep 2023
Machine Age	hrs	Client Info		<b>4989</b>	3525	3091
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>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>60</b>	135	105
Iron	ppm	ASTM D5185m	>500	<b>162</b>	343	354
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	1
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	1	1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	1	3
Lead	ppm	ASTM D5185m	>25	<b>4</b>	12	10
Copper	ppm	ASTM D5185m	>100	<b>56</b>	▲ 103	83
Tin	ppm	ASTM D5185m	>10	<b>1</b>	2	2
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

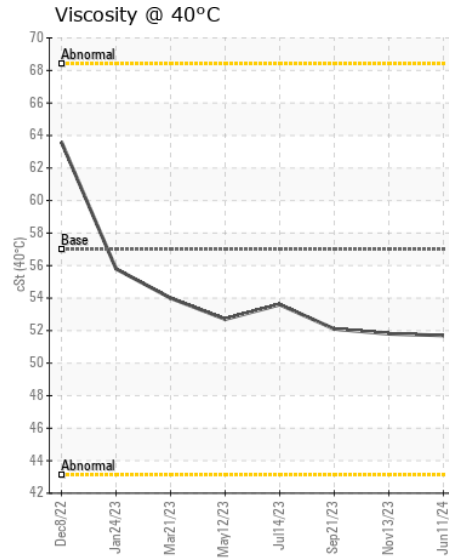
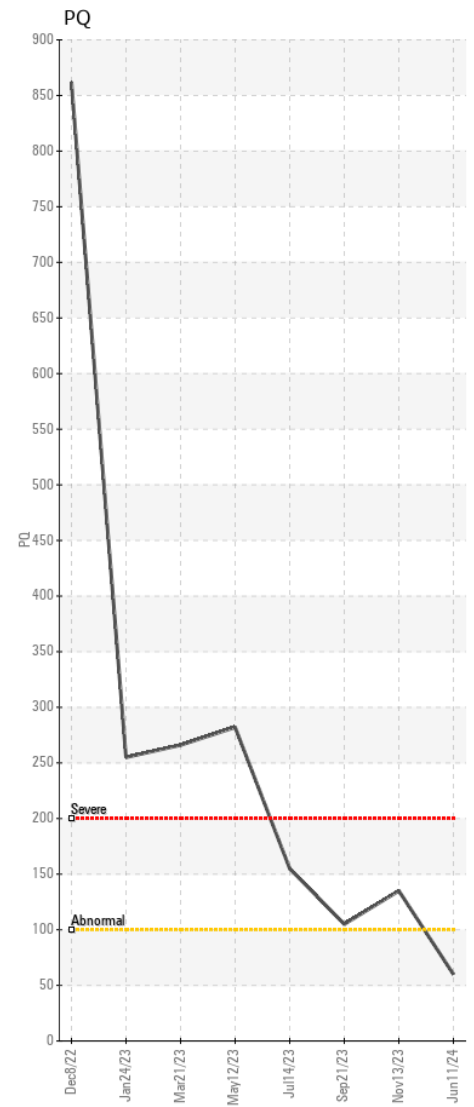
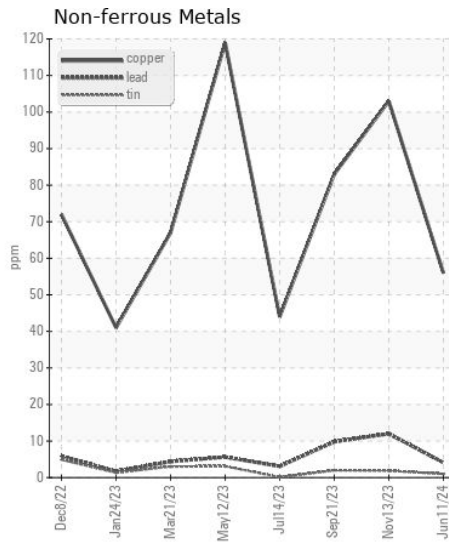
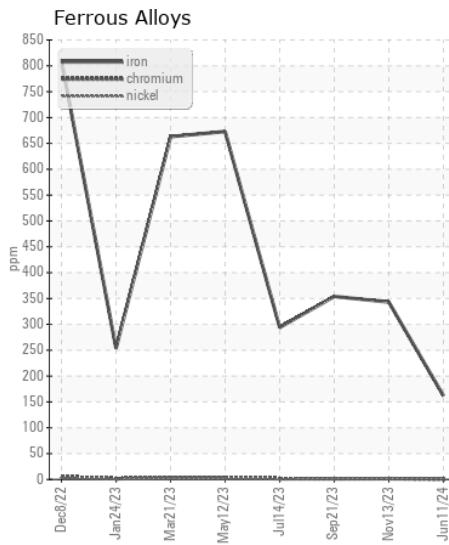
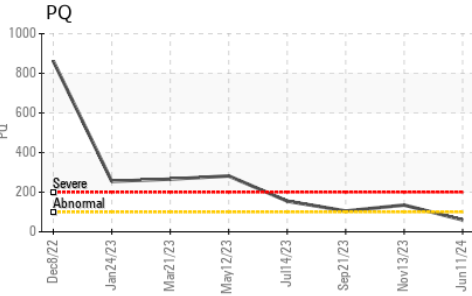
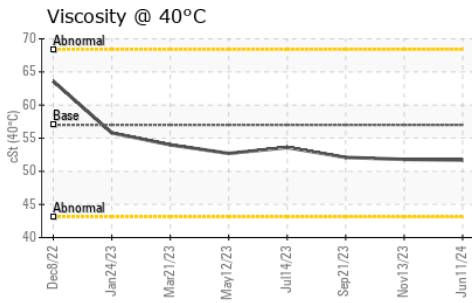
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>13</b>	12	11
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	0
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>LIGHT</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	>.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>3</b>	4	3
Boron	ppm	ASTM D5185m	6	<b>3</b>	10	10
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	2	2
Manganese	ppm	ASTM D5185m		<b>6</b>	13	13
Magnesium	ppm	ASTM D5185m	145	<b>103</b>	105	99
Calcium	ppm	ASTM D5185m	3570	<b>3712</b>	3659	3486
Phosphorus	ppm	ASTM D5185m	1290	<b>1115</b>	1145	1054
Zinc	ppm	ASTM D5185m	1640	<b>1353</b>	1409	1290
Sulfur	ppm	ASTM D5185m		<b>4354</b>	4010	3731
Visc @ 40°C	cSt	ASTM D445	57.0	<b>51.7</b>	51.8	52.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0007504  
**Lab Number** : 06211997  
**Unique Number** : 11084861  
**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 17 Jun 2024  
**Tested** : 18 Jun 2024  
**Diagnosed** : 18 Jun 2024 - Wes Davis

**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)