



# OIL ANALYSIS REPORT

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

Machine Id  
**JOHN DEERE 748L 1DW748LBVLF707417**  
 Component  
**Transmission (Manual)**  
 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>WE0007538</b>	WE0003882	WE0000700
Sample Date		Client Info		<b>19 Jun 2024</b>	26 Apr 2023	18 Nov 2021
Machine Age	hrs	Client Info		<b>7919</b>	5486	2509
Oil Age	hrs	Client Info		<b>0</b>	5486	0
Filter Age	hrs	Client Info		<b>0</b>	5486	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	<b>21</b>	16	---
Iron	ppm	ASTM D5185m	>200	<b>14</b>	39	15
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	>7	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	0	<1
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m	>225	<b>2</b>	11	3
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

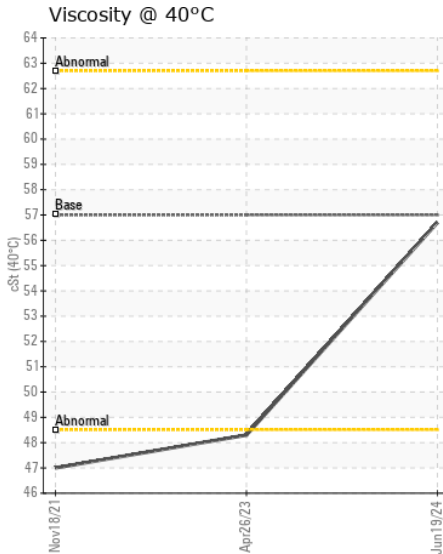
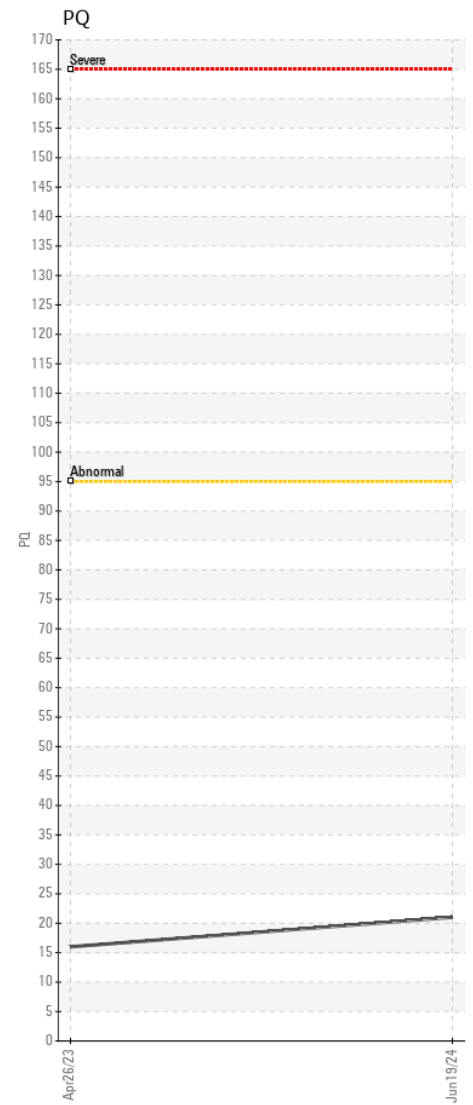
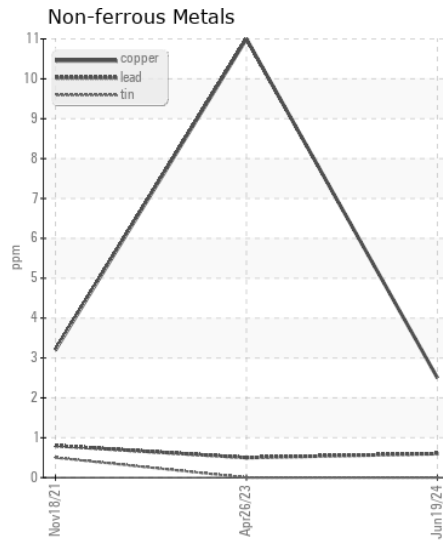
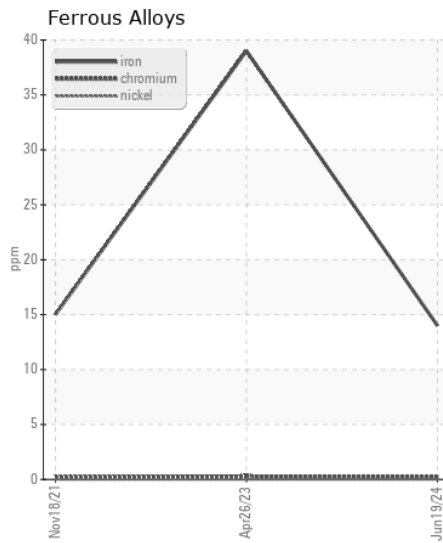
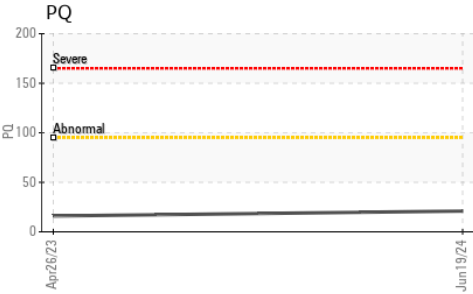
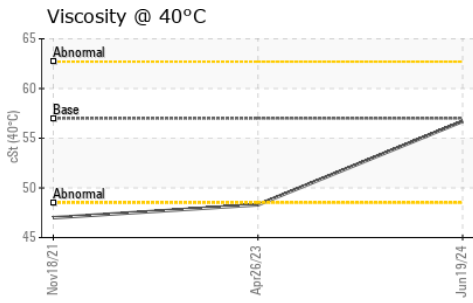
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>9</b>	5	4
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	3	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>	NONE	VLITE
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>2</b>	4	9
Boron	ppm	ASTM D5185m	6	<b>0</b>	1	1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	145	<b>105</b>	88	87
Calcium	ppm	ASTM D5185m	3570	<b>3506</b>	3124	3478
Phosphorus	ppm	ASTM D5185m	1290	<b>1064</b>	968	1038
Zinc	ppm	ASTM D5185m	1640	<b>1266</b>	1210	1215
Sulfur	ppm	ASTM D5185m		<b>4053</b>	3362	3022
Visc @ 40°C	cSt	ASTM D445	57.0	<b>56.7</b>	48.3	47.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0007538 **Received** : 21 Jun 2024  
**Lab Number** : 06217056 **Tested** : 24 Jun 2024  
**Unique Number** : 11089920 **Diagnosed** : 24 Jun 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**WARRIOR TRACTOR AND EQUIPMENT - MONROEVILLE**  
 66 INDUSTRIAL PARK DR  
 MONROEVILLE, AL  
 US 36460  
 Contact: SCOTT WILLIAMSON  
 swilliamson@warriortractor.com  
 T: (251)575-7111  
 F:

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)