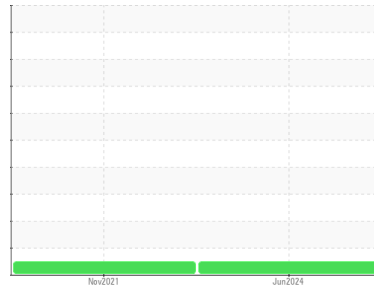




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**JOHN DEERE 748L 1DW748LBVLF707417**  
 Component  
**Front Differential**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

### DIAGNOSIS

#### Recommendation

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

### SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WE0007540</b>	WE0000697	---
Sample Date	Client Info	<b>19 Jun 2024</b>	15 Nov 2021	---
Machine Age	hrs	Client Info	<b>7919</b>	2509
Oil Age	hrs	Client Info	<b>0</b>	0
Oil Changed	Client Info	<b>Changed</b>	Changed	---
Sample Status		<b>NORMAL</b>	NORMAL	---

### CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method	<b>&gt;.2</b>	<b>NEG</b>	NEG

### WEAR METALS

method	limit/base	current	history1	history2	
PQ	ASTM D8184	<b>15</b>	---	---	
Iron	ppm	ASTM D5185m	>500	<b>20</b>	85
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	1
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	4
Copper	ppm	ASTM D5185m	>100	<b>2</b>	10
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0
Antimony	ppm	ASTM D5185m	>5	<b>---</b>	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0

### ADDITIVES

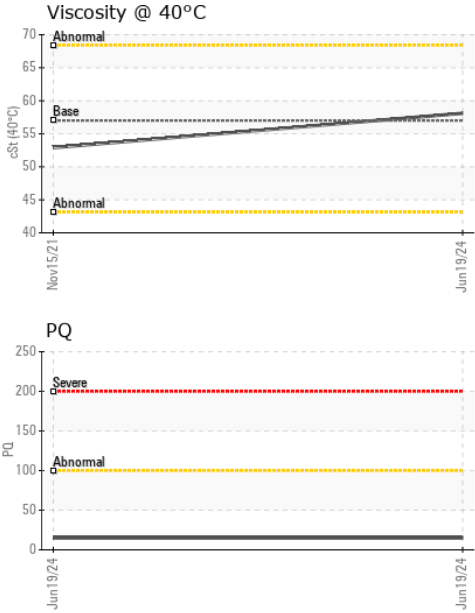
method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	6	<b>5</b>	2
Barium	ppm	ASTM D5185m	0	<b>0</b>	<1
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	0
Manganese	ppm	ASTM D5185m		<b>1</b>	4
Magnesium	ppm	ASTM D5185m	145	<b>105</b>	105
Calcium	ppm	ASTM D5185m	3570	<b>3890</b>	3739
Phosphorus	ppm	ASTM D5185m	1290	<b>1131</b>	1084
Zinc	ppm	ASTM D5185m	1640	<b>1357</b>	1301
Sulfur	ppm	ASTM D5185m		<b>5009</b>	3349

### CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>75	<b>7</b>	8
Sodium	ppm	ASTM D5185m		<b>2</b>	3
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	8



# OIL ANALYSIS REPORT



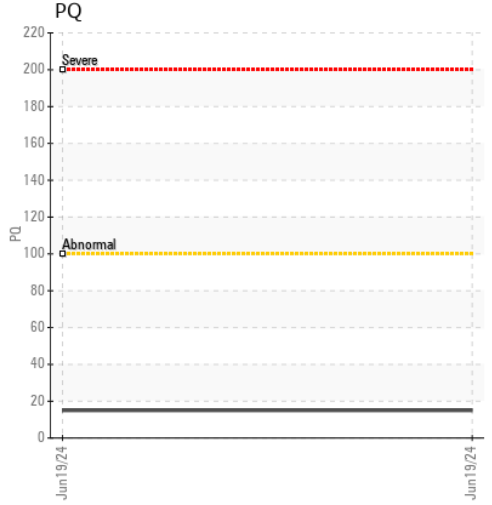
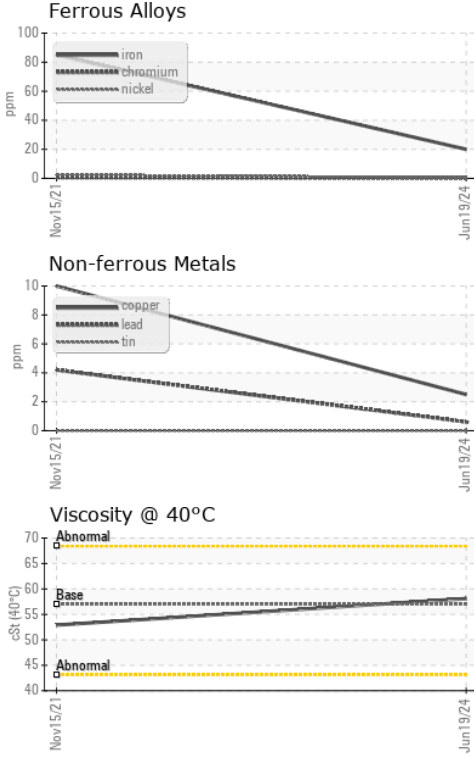
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	VLITE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>.2	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual		<b>NEG</b>	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.0	<b>58.1</b>	52.9	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image	no image
Bottom				no image	no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0007540      **Received** : 21 Jun 2024  
**Lab Number** : **06217067**      **Tested** : 24 Jun 2024  
**Unique Number** : 11089931      **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)