



# OIL ANALYSIS REPORT

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

Machine Id  
**JOHN DEERE 748L 1DW748LBLPF717017**

Component  
**Transmission (Manual)**

Fluid  
**TDH FLUID SAE 75W80 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDH FLUID SAE 75W80. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0103234</b>	JR0193868	---
Sample Date		Client Info		<b>17 Mar 2024</b>	11 Jan 2024	---
Machine Age	hrs	Client Info		<b>1933</b>	1561	---
Oil Age	hrs	Client Info		<b>1933</b>	1561	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	<b>19</b>	15	---
Iron	ppm	ASTM D5185m	>200	<b>18</b>	10	---
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>7	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	1	---
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>225	<b>4</b>	4	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

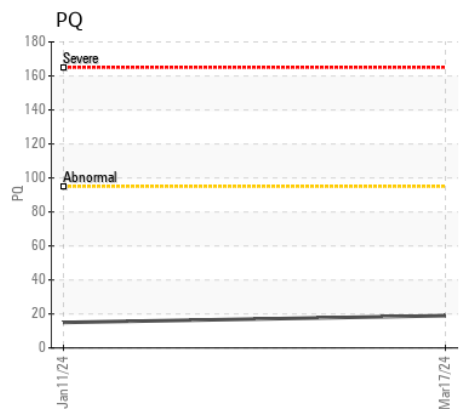
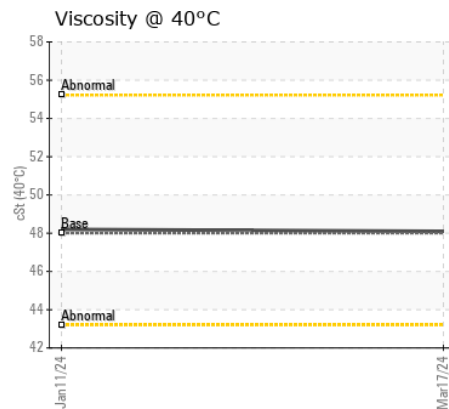
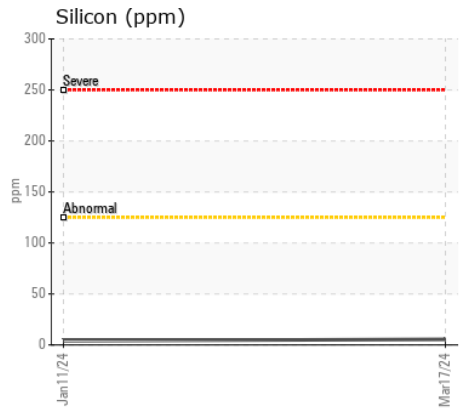
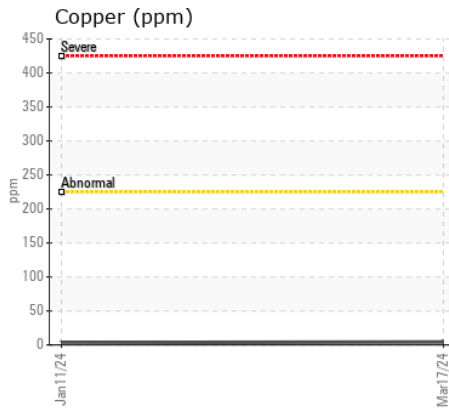
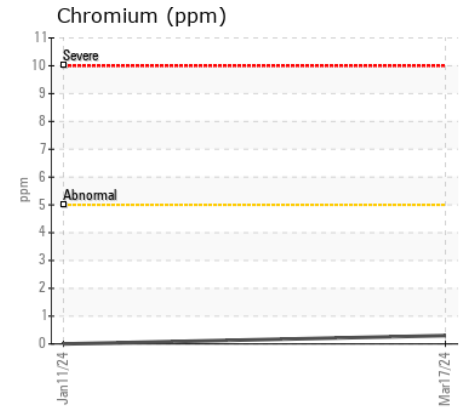
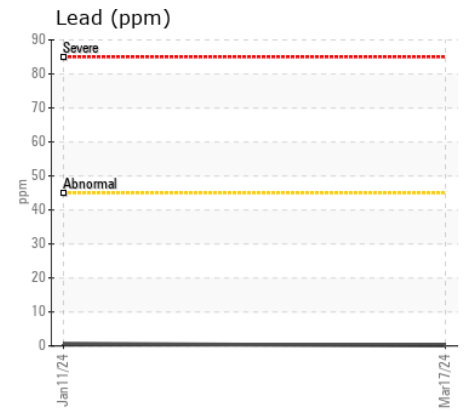
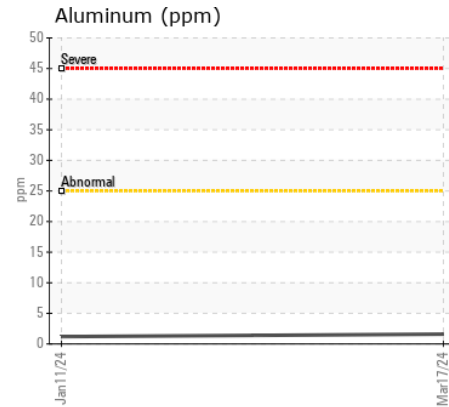
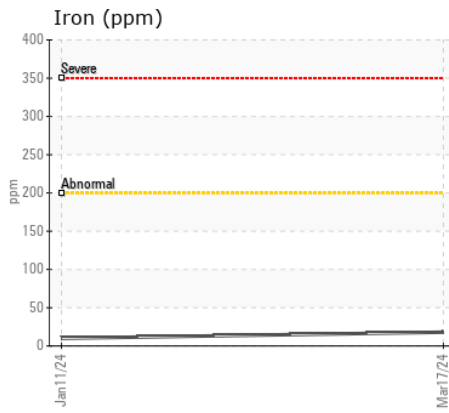
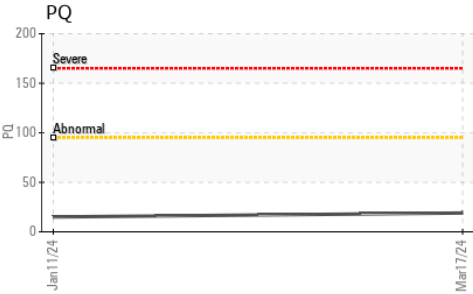
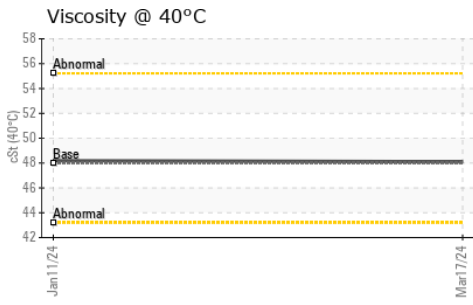
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>6</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	<1	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
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	>0.1	<b>NEG</b>	NEG	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>7</b>	7	---
Boron	ppm	ASTM D5185m	10	<b>&lt;1</b>	0	---
Barium	ppm	ASTM D5185m	10	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	10	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	100	<b>97</b>	103	---
Calcium	ppm	ASTM D5185m	3500	<b>3453</b>	3426	---
Phosphorus	ppm	ASTM D5185m	1150	<b>1045</b>	1038	---
Zinc	ppm	ASTM D5185m	1150	<b>1275</b>	1339	---
Sulfur	ppm	ASTM D5185m	5000	<b>3890</b>	3741	---
Visc @ 40°C	cSt	ASTM D445	48	<b>48.1</b>	48.2	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : JR0103234

**Lab Number** : 06122637

**Unique Number** : 10936788

**Test Package** : MOBCE ( Additional Tests: PQ )

**Received** : 19 Mar 2024

**Tested** : 20 Mar 2024

**Diagnosed** : 20 Mar 2024 - Wes Davis

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)

**JRE - GREENVILLE**

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