



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

Machine Id  
**JOHN DEERE 744L 1DW744LWHNL715702**  
 Component  
**Front Axle**  
 Fluid  
**TDH FLUID SAE 75W80 (--- GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0213055</b>	JR0191082	---
Sample Date		Client Info		<b>21 May 2024</b>	17 Nov 2023	---
Machine Age	hrs	Client Info		<b>4093</b>	2515	---
Oil Age	hrs	Client Info		<b>4093</b>	2515	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>Changed</b>	Not Changd	---
Sample Status				<b>ABNORMAL</b>	ABNORMAL	---

### WEAR

The copper level is abnormal. All other component wear rates are normal.

PQ		ASTM D8184		<b>15</b>	20	---
Iron	ppm	ASTM D5185m	>750	<b>181</b>	140	---
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>21	<b>0</b>	2	---
Lead	ppm	ASTM D5185m	>49	<b>31</b>	26	---
Copper	ppm	ASTM D5185m	>101	<b>▲ 471</b>	▲ 447	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

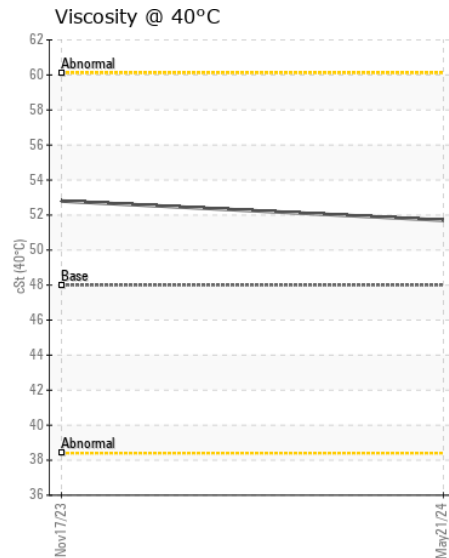
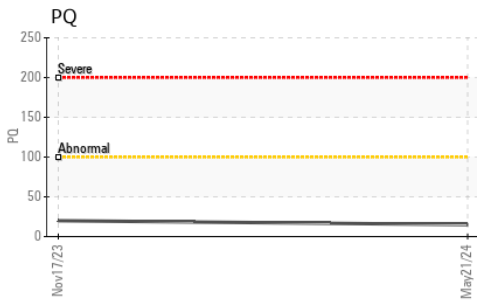
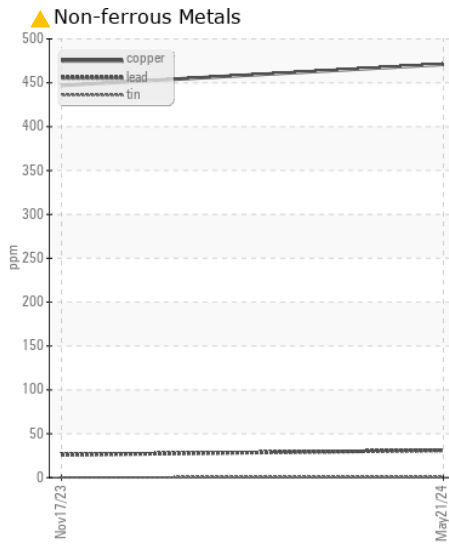
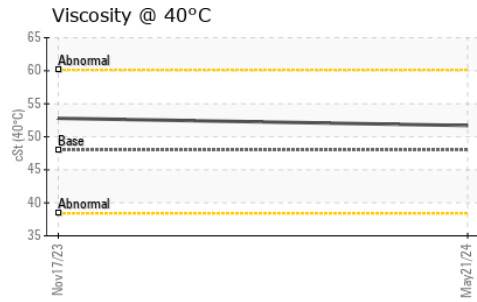
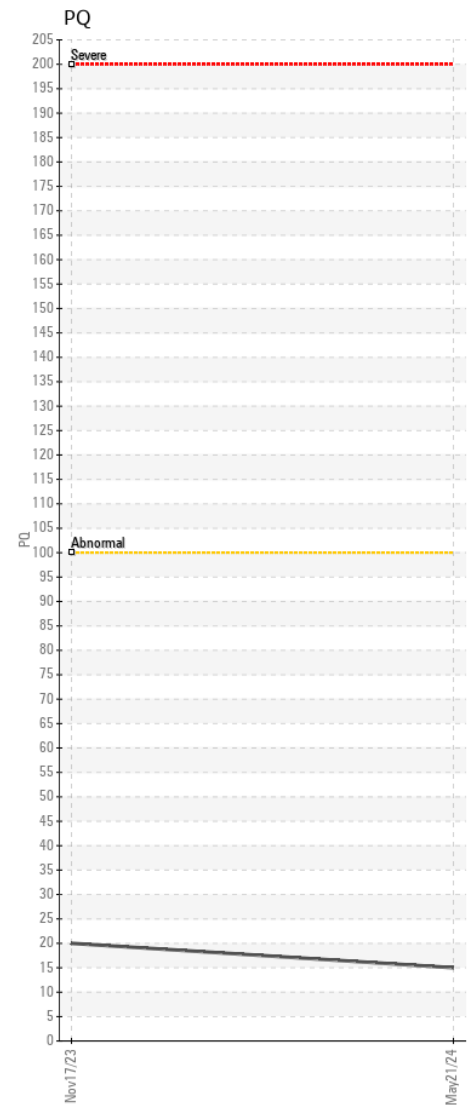
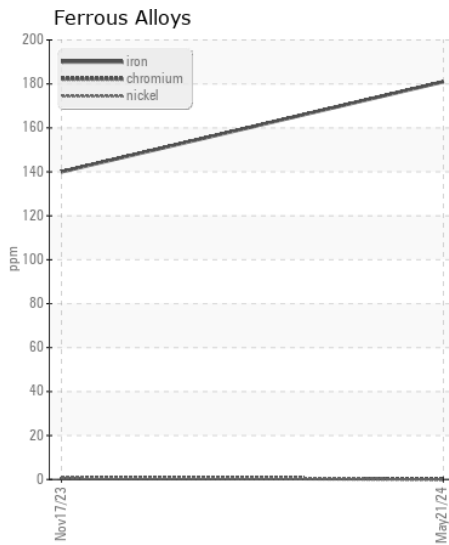
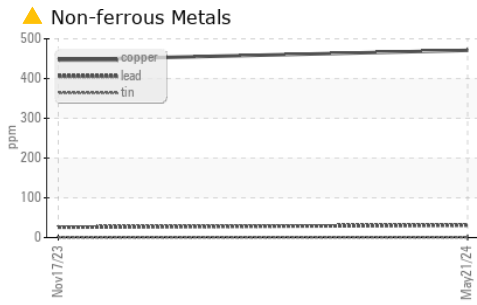
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>9</b>	14	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	---
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>6</b>	2	---
Boron	ppm	ASTM D5185m	10	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	10	<b>4</b>	0	---
Molybdenum	ppm	ASTM D5185m	10	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>5</b>	4	---
Magnesium	ppm	ASTM D5185m	100	<b>91</b>	88	---
Calcium	ppm	ASTM D5185m	3500	<b>3253</b>	3227	---
Phosphorus	ppm	ASTM D5185m	1150	<b>862</b>	898	---
Zinc	ppm	ASTM D5185m	1150	<b>1153</b>	1193	---
Sulfur	ppm	ASTM D5185m	5000	<b>3908</b>	4633	---
Visc @ 40°C	cSt	ASTM D445	48	<b>51.7</b>	52.8	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0213055 **Received** : 22 May 2024  
**Lab Number** : 06187932 **Tested** : 23 May 2024  
**Unique Number** : 11044684 **Diagnosed** : 24 May 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GARNER**  
 4161 AUBURN CHURCH RD  
 GARNER, NC  
 US 27529

Contact: RALEIGH SHOP  
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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)

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