



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

Machine Id  
**JOHN DEERE 310 P 1DW310PATPFB06780**

Component  
**Front Differential**  
Fluid  
**{not provided} (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0222582</b>	JR0191136	---
Sample Date		Client Info		<b>26 Jun 2024</b>	17 Nov 2023	---
Machine Age	hrs	Client Info		<b>1116</b>	647	---
Oil Age	hrs	Client Info		<b>469</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>66</b>	15	---
Iron	ppm	ASTM D5185m	>500	<b>101</b>	0	---
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	0	---
Nickel	ppm	ASTM D5185m	>10	<b>4</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	<1	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>100	<b>46</b>	0	---
Tin	ppm	ASTM D5185m	>10	<b>1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

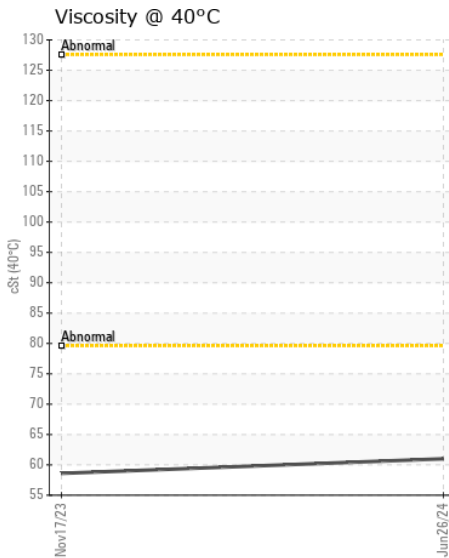
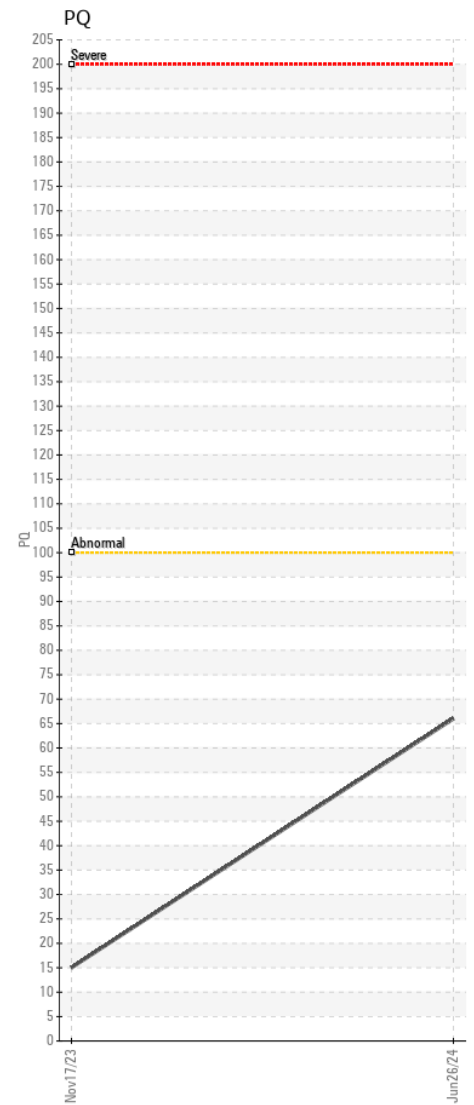
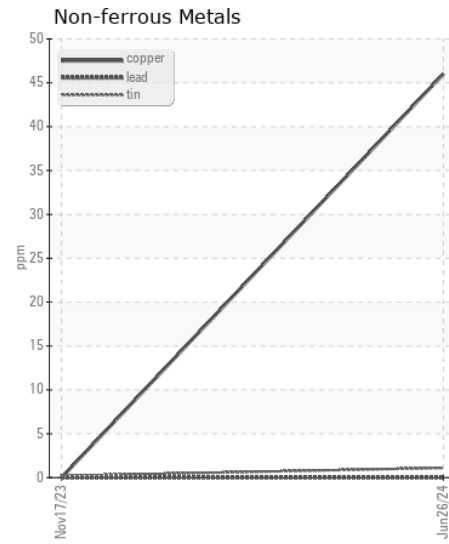
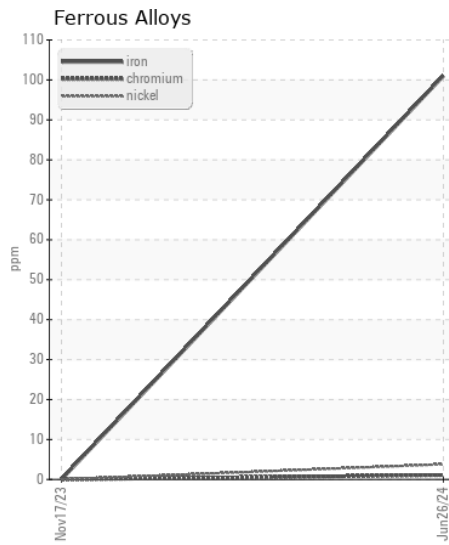
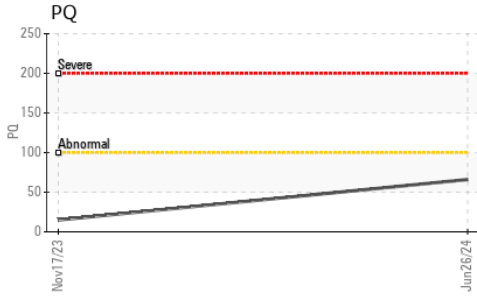
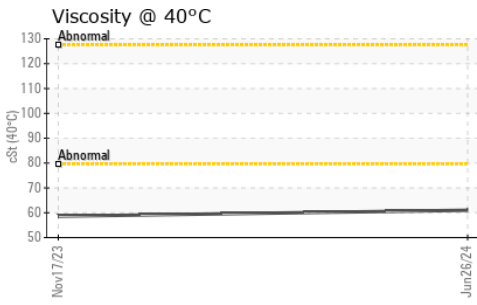
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>12</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	0	---
Water		WC Method	>.2	<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	>.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>12</b>	0	---
Boron	ppm	ASTM D5185m		<b>63</b>	0	---
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>6</b>	0	---
Manganese	ppm	ASTM D5185m		<b>13</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>74</b>	98	---
Calcium	ppm	ASTM D5185m		<b>3411</b>	3369	---
Phosphorus	ppm	ASTM D5185m		<b>1132</b>	1001	---
Zinc	ppm	ASTM D5185m		<b>1377</b>	1214	---
Sulfur	ppm	ASTM D5185m		<b>4109</b>	3489	---
Visc @ 40°C	cSt	ASTM D445		<b>61.0</b>	58.6	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0222582 **Received** : 28 Jun 2024  
**Lab Number** : 06223725 **Tested** : 01 Jul 2024  
**Unique Number** : 11101922 **Diagnosed** : 01 Jul 2024 - Don Baldridge  
**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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