



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

Area  
**JRE-CHARLOTTE**  
 Machine Id  
**JOHN DEERE 310 P 1DW310PAEPFB06548**  
 Component  
**Center Axle**  
 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>JR0192665</b>	JR0178629	---
Sample Date		Client Info		<b>16 Dec 2023</b>	21 Aug 2023	---
Machine Age	hrs	Client Info		<b>1253</b>	558	---
Oil Age	hrs	Client Info		<b>1253</b>	558	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		<b>10</b>	240	---
Iron	ppm	ASTM D5185m	>750	<b>1</b>	328	---
Chromium	ppm	ASTM D5185m	>11	<b>0</b>	3	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	4	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>21	<b>&lt;1</b>	6	---
Lead	ppm	ASTM D5185m	>49	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>101	<b>&lt;1</b>	81	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	5	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

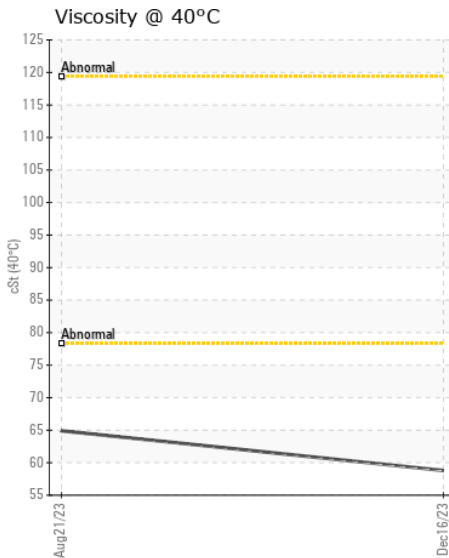
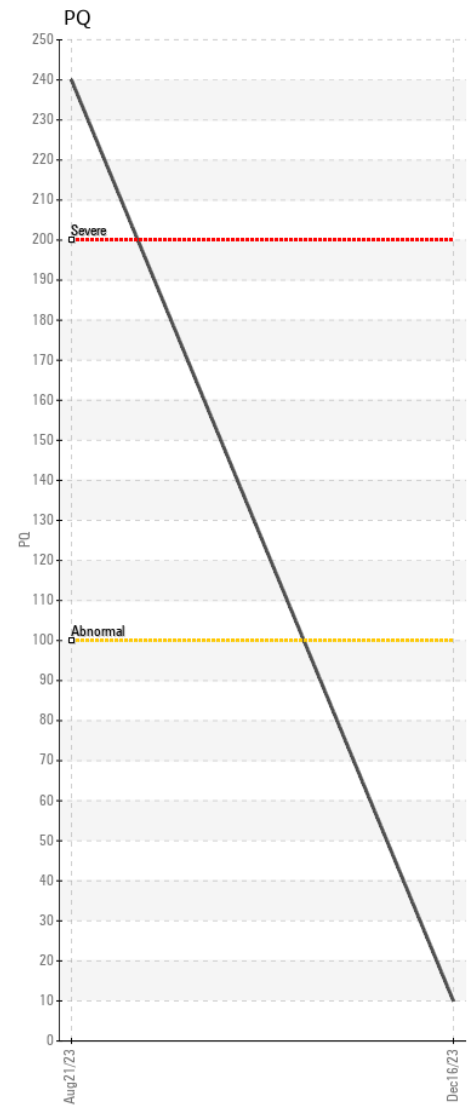
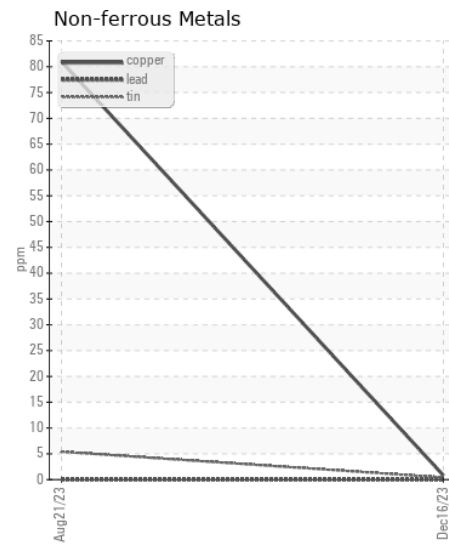
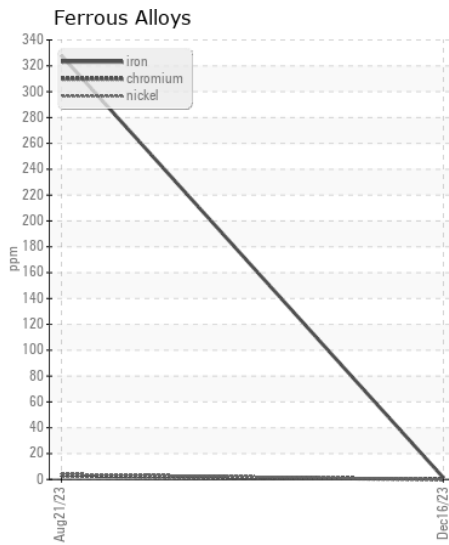
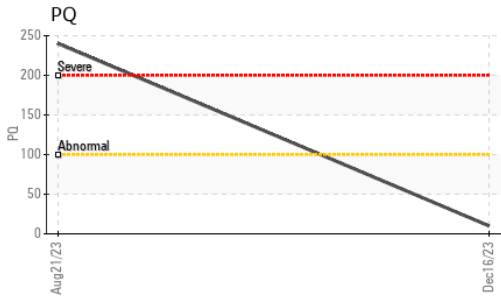
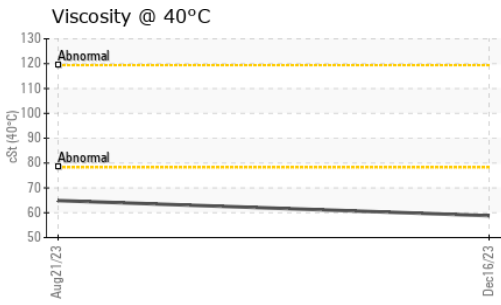
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>5</b>	16	---
Potassium	ppm	ASTM D5185m	>20	<b>0</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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>&lt;1</b>	21	---
Boron	ppm	ASTM D5185m		<b>1</b>	138	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	37	---
Magnesium	ppm	ASTM D5185m		<b>97</b>	12	---
Calcium	ppm	ASTM D5185m		<b>3055</b>	3749	---
Phosphorus	ppm	ASTM D5185m		<b>965</b>	1240	---
Zinc	ppm	ASTM D5185m		<b>1164</b>	1540	---
Sulfur	ppm	ASTM D5185m		<b>3361</b>	4090	---
Visc @ 40°C	cSt	ASTM D445		<b>58.8</b>	64.9	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0192665 **Received** : 12 Jan 2024  
**Lab Number** : 06059488 **Diagnosed** : 15 Jan 2024  
**Unique Number** : 10830870 **Diagnostician** : Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

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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