



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



Machine Id  
**JOHN DEERE 310J 12-20 (S/N 1T0310JXHDL206153)**  
 Component  
**Transmission**  
 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>JR0200974</b>	JR0040034	---
Sample Date		Client Info		<b>20 Mar 2024</b>	06 Feb 2020	---
Machine Age	hrs	Client Info		<b>2846</b>	2200	---
Oil Age	hrs	Client Info		<b>2846</b>	0	---
Filter Age	hrs	Client Info		<b>2846</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>100	<b>17</b>	33	---
Iron	ppm	ASTM D5185m	>61	<b>10</b>	44	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>20	<b>3</b>	11	---
Lead	ppm	ASTM D5185m	>9	<b>&lt;1</b>	2	---
Copper	ppm	ASTM D5185m	>100	<b>13</b>	52	---
Tin	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	---
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

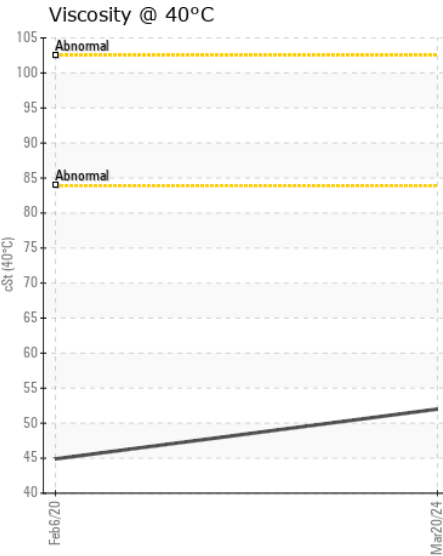
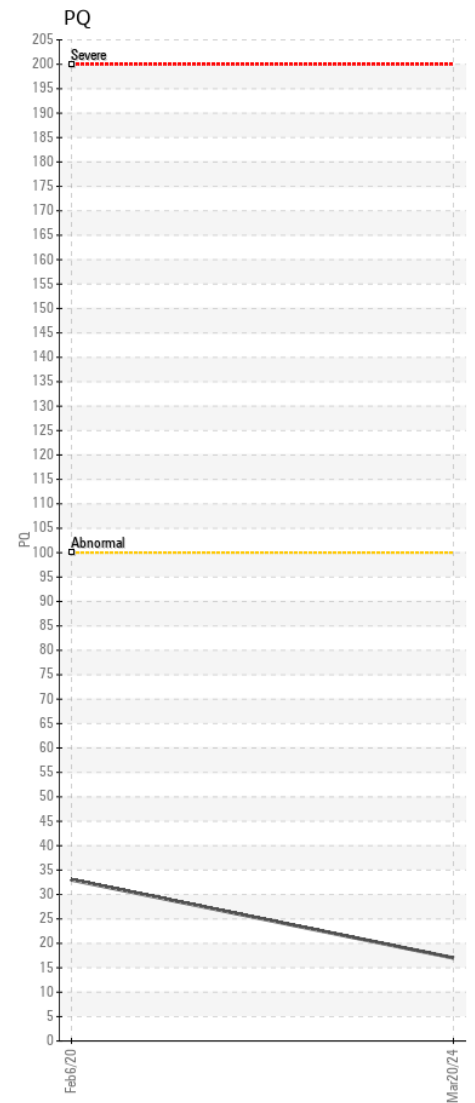
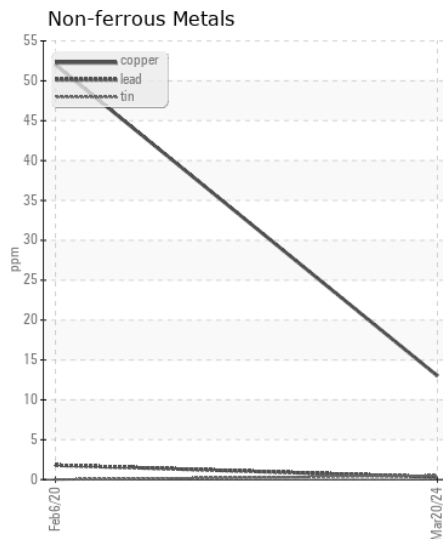
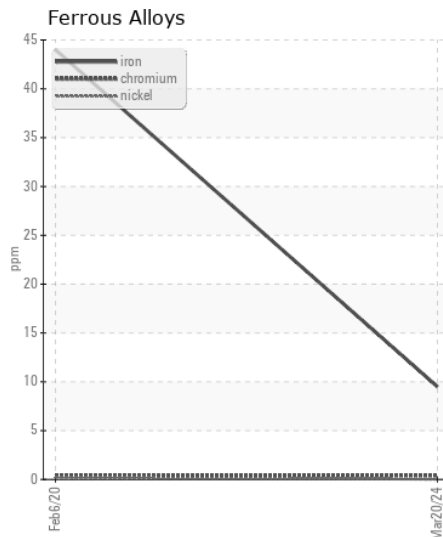
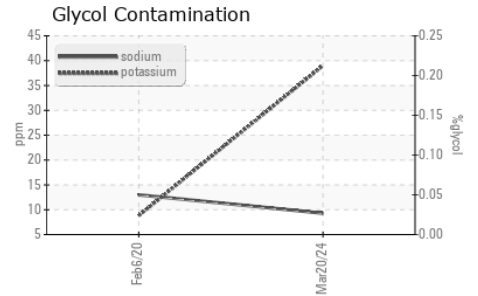
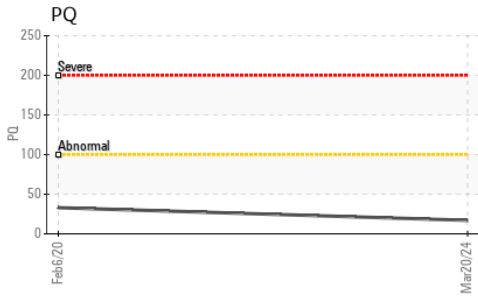
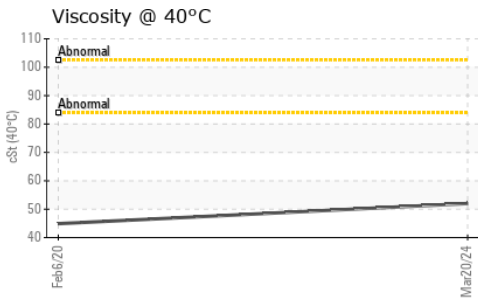
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>21	<b>8</b>	6	---
Potassium	ppm	ASTM D5185m	>20	<b>39</b>	9	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	---
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	>0.075	<b>NEG</b>	0.2%	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>30	<b>9</b>	13	---
Boron	ppm	ASTM D5185m		<b>69</b>	22	---
Barium	ppm	ASTM D5185m		<b>2</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>31</b>	4	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>119</b>	50	---
Calcium	ppm	ASTM D5185m		<b>3696</b>	2654	---
Phosphorus	ppm	ASTM D5185m		<b>1227</b>	988	---
Zinc	ppm	ASTM D5185m		<b>1334</b>	1094	---
Sulfur	ppm	ASTM D5185m		<b>5554</b>	2678	---
Visc @ 40°C	cSt	ASTM D445		<b>52.0</b>	44.9	---



Certificate L2367

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

**Sample No.** : JR0200974

**Lab Number** : 06125135

**Unique Number** : 10939286

**Test Package** : CONST ( Additional Tests: Glycol, PQ )

**Received** : 21 Mar 2024

**Tested** : 25 Mar 2024

**Diagnosed** : 25 Mar 2024 - Sean Felton

**JRE - NEW BERN**

3816 MARTIN LUTHER KING BLVD

NEW BERN, NC

US 28562

Contact: NEW BERN SHOP

nick.etherdridge@jamesriverequipment.com; canastasio@wearcheckusa.com

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)

T:

F: