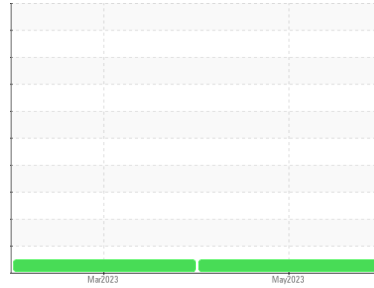




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**JOHN DEERE 8R310 11614 (S/N 1RW8310DTNB208641)**  
 Component  
**Front Left Final Drive**  
 Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0816177</b>	WC0755188	---
Sample Date	Client Info		<b>22 May 2023</b>	30 Mar 2023	---
Machine Age	hrs	Client Info	<b>1770</b>	909	---
Oil Age	hrs	Client Info	<b>861</b>	909	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >750	<b>293</b>	102	---
Chromium	ppm	ASTM D5185m >9	<b>2</b>	<1	---
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >40	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m >15	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >40	<b>2</b>	2	---
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	<b>15</b>	34	---
Barium	ppm	ASTM D5185m 200	<b>2</b>	5	---
Molybdenum	ppm	ASTM D5185m 12	<b>1</b>	<1	---
Manganese	ppm	ASTM D5185m	<b>8</b>	4	---
Magnesium	ppm	ASTM D5185m 12	<b>5</b>	3	---
Calcium	ppm	ASTM D5185m 150	<b>37</b>	30	---
Phosphorus	ppm	ASTM D5185m 1650	<b>458</b>	408	---
Zinc	ppm	ASTM D5185m 125	<b>17</b>	13	---
Sulfur	ppm	ASTM D5185m 22500	<b>21396</b>	22502	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>4</b>	3	---
Sodium	ppm	ASTM D5185m >170	<b>2</b>	2	---
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	---

## VISUAL

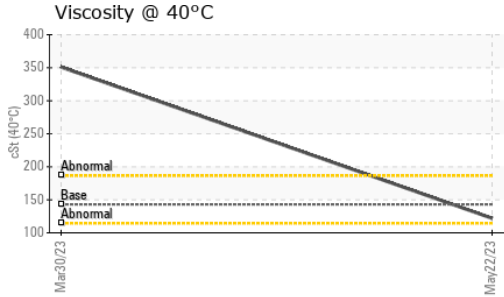
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Sand/Dirt	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 >0.075	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual	<b>NEG</b>	NEG	---

## FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 143	<b>122</b>	351	---

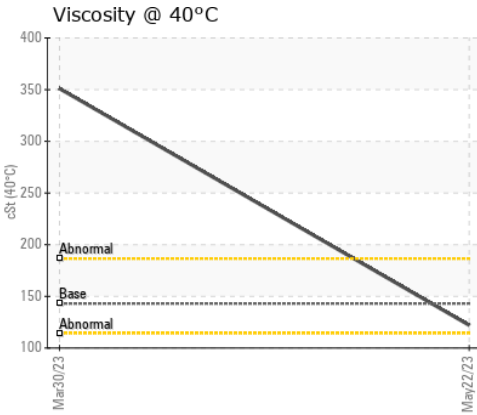
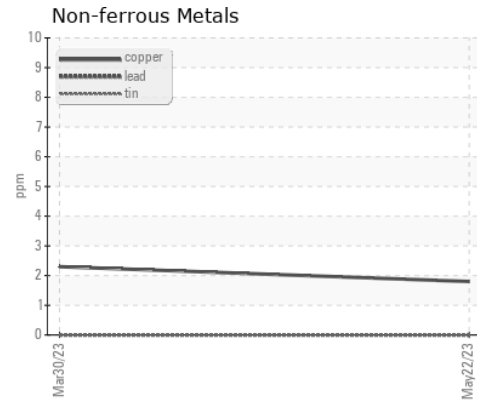
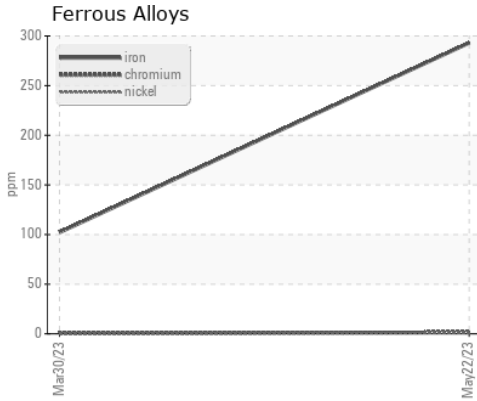


# OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0816177      **Received** : 24 May 2023  
**Lab Number** : 05856457      **Diagnosed** : 26 May 2023  
**Unique Number** : 10485812      **Diagnostician** : Sean Felton  
**Test Package** : CONST

**TRADER CONSTRUCTION CO.**  
 PO DRAWER 1578  
 NEW BERN, NC  
 US 28563  
 Contact: MIKE WYATT  
 mw Wyatt@traderconstruction.com  
 T: (252)633-1399  
 F: (252)638-4871

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)