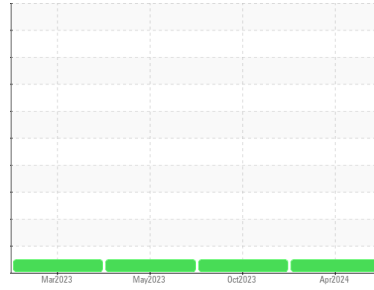




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**JOHN DEERE 8R310 11613 (S/N 1RW8310DENB201038)**  
 Component  
**Front Left Final Drive**  
 Fluid  
**GEAR OIL SAE 80 (--- GAL)**

### DIAGNOSIS

#### Recommendation

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

#### 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>WC0913161</b>	WC0862858	WC0816233
Sample Date	Client Info			<b>02 Apr 2024</b>	09 Oct 2023	31 May 2023
Machine Age	hrs	Client Info		<b>4560</b>	3189	2189
Oil Age	hrs	Client Info		<b>511</b>	377	455
Oil Changed	Client Info			<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.075	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>750	<b>138</b>	127	170
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>0</b>	0	<1
Lead	ppm	ASTM D5185m	>15	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>40	<b>3</b>	1	1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

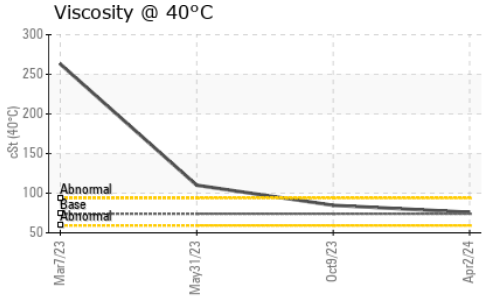
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	<b>90</b>	82	57
Barium	ppm	ASTM D5185m	200	<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m	12	<b>1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>2</b>	2	3
Magnesium	ppm	ASTM D5185m	12	<b>7</b>	8	3
Calcium	ppm	ASTM D5185m	150	<b>48</b>	35	42
Phosphorus	ppm	ASTM D5185m	1650	<b>685</b>	616	524
Zinc	ppm	ASTM D5185m	125	<b>23</b>	31	19
Sulfur	ppm	ASTM D5185m	22500	<b>20110</b>	19084	21057

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>5</b>	4	5
Sodium	ppm	ASTM D5185m	>51	<b>&lt;1</b>	0	1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	0

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG



# OIL ANALYSIS REPORT

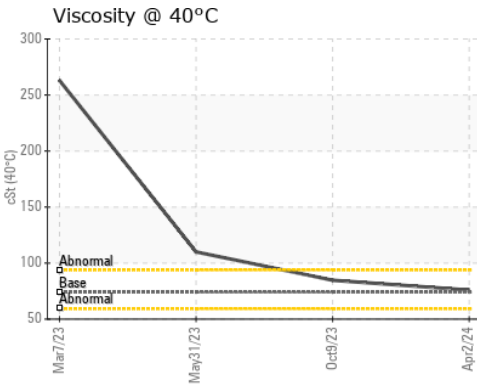
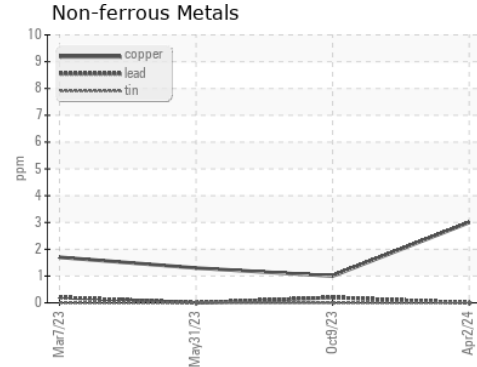
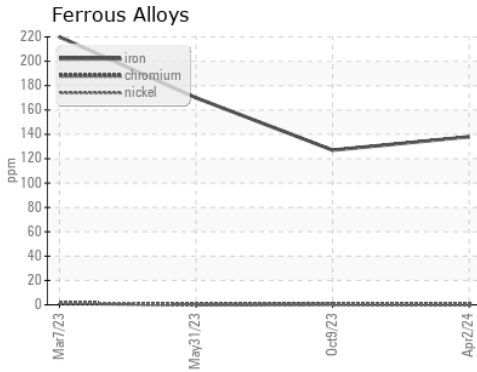


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 74	<b>75.9</b>	84.7	110

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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.** : WC0913161      **Received** : 12 Apr 2024  
**Lab Number** : 06147668      **Tested** : 15 Apr 2024  
**Unique Number** : 10977746      **Diagnosed** : 15 Apr 2024 - Wes Davis  
**Test Package** : CONST

**TRADER CONSTRUCTION CO.**  
 PO DRAWER 1578  
 NEW BERN, NC  
 US 28563  
 Contact: MIKE WYATT  
 mwyatt@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)