

# OIL ANALYSIS REPORT

## Sample Rating Trend


**WEAR**


Machine Id  
**JOHN DEERE 331G 1T0331GKJNF426129**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (--- GAL)**

### DIAGNOSIS

#### ▲ Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### ▲ Wear

Gear wear is indicated. All other metal levels are typical for a new component breaking in.

#### 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>JR0212152</b>	JR0180931	---
Sample Date	Client Info			<b>14 May 2024</b>	25 Aug 2023	---
Machine Age	hrs	Client Info		<b>1044</b>	532	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed	Client Info			<b>Changed</b>	Changed	---
Sample Status				<b>ABNORMAL</b>	ABNORMAL	---

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

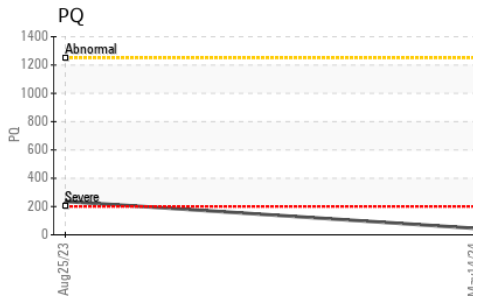
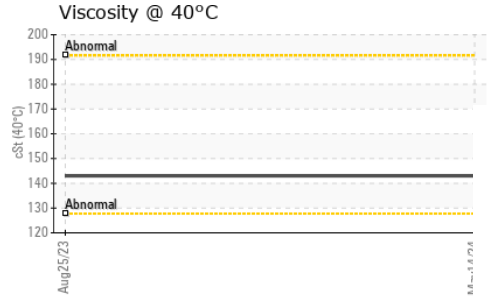
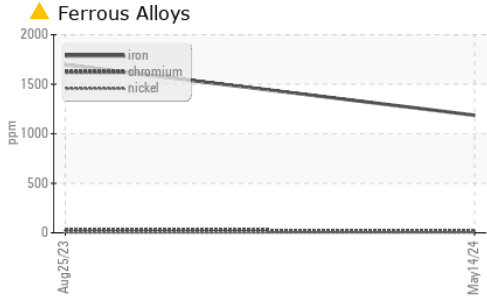
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>1250	<b>46</b>	236	---
Iron	ppm	ASTM D5185m	>750	<b>▲ 1187</b>	▲ 1695	---
Chromium	ppm	ASTM D5185m	>9	<b>▲ 19</b>	▲ 28	---
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	3	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>5</b>	18	---
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>40	<b>1</b>	2	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>1</b>	3	---
Barium	ppm	ASTM D5185m		<b>17</b>	80	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	2	---
Manganese	ppm	ASTM D5185m		<b>11</b>	16	---
Magnesium	ppm	ASTM D5185m		<b>4</b>	11	---
Calcium	ppm	ASTM D5185m		<b>18</b>	66	---
Phosphorus	ppm	ASTM D5185m		<b>336</b>	352	---
Zinc	ppm	ASTM D5185m		<b>14</b>	36	---
Sulfur	ppm	ASTM D5185m		<b>15537</b>	19727	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>21</b>	19	---
Sodium	ppm	ASTM D5185m	>51	<b>2</b>	12	---
Potassium	ppm	ASTM D5185m	>20	<b>22</b>	59	---

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	---

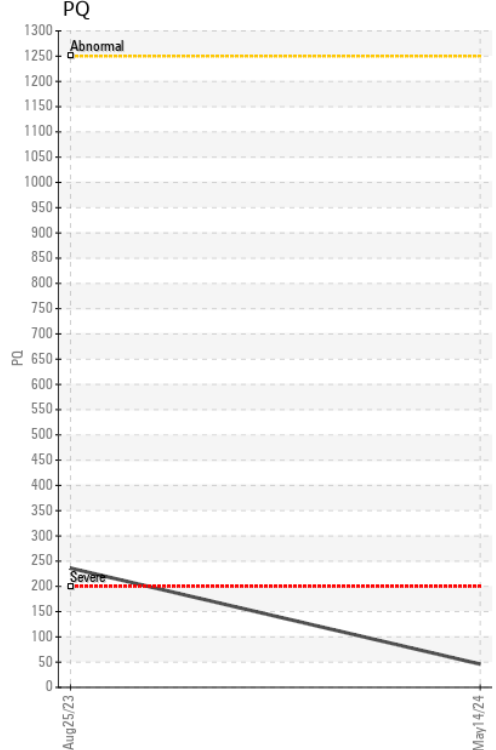
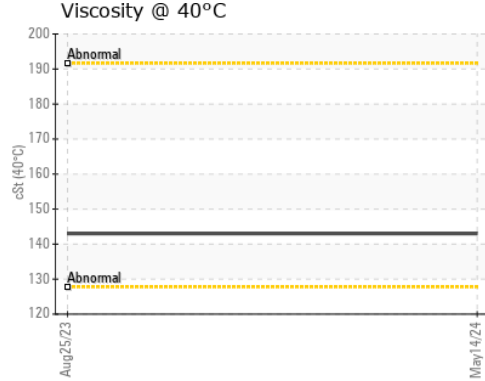
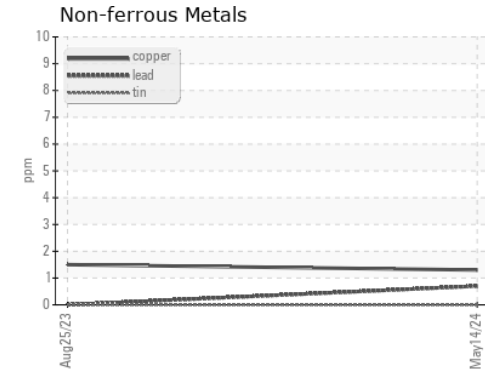
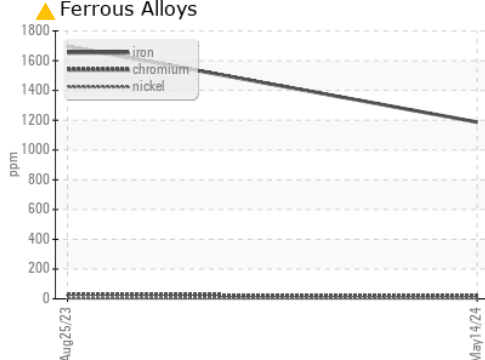
# OIL ANALYSIS REPORT



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

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0212152      **Received** : 16 May 2024  
**Lab Number** : **06181653**      **Tested** : 17 May 2024  
**Unique Number** : 11032979      **Diagnosed** : 20 May 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - ASHLAND**  
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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)