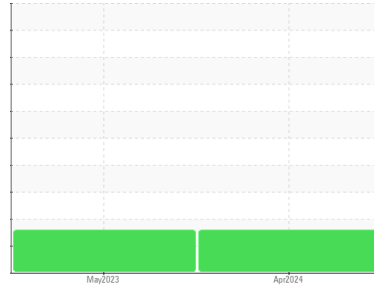




# OIL ANALYSIS REPORT

## Sample Rating Trend



**WEAR**



Machine Id  
**JOHN DEERE 204K 037291**  
 Component  
**Rear Right Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (--- GAL)**

### DIAGNOSIS

#### ▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### ▲ Wear

Bearing and/or bushing wear is indicated.

#### 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>MT0006154</b>	MT0005922	---
Sample Date	Client Info	<b>02 Apr 2024</b>	12 May 2023	---
Machine Age	hrs	<b>2919</b>	0	---
Oil Age	hrs	<b>0</b>	0	---
Oil Changed	Client Info	<b>N/A</b>	Not Changd	---
Sample Status		<b>ABNORMAL</b>	ABNORMAL	---

### CONTAMINATION

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

### WEAR METALS

method	limit/base	current	history1	history2		
PQ	ASTM D8184	>1250	<b>152</b>	170	---	
Iron	ppm	ASTM D5185m	>750	<b>401</b>	467	---
Chromium	ppm	ASTM D5185m	>9	<b>2</b>	3	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
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>	1	---
Copper	ppm	ASTM D5185m	>40	<b>▲ 148</b>	▲ 174	---
Tin	ppm	ASTM D5185m	>10	<b>▲ 14</b>	▲ 16	---
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		<b>2</b>	2	---
Barium	ppm	ASTM D5185m		<b>2</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>6</b>	7	---
Magnesium	ppm	ASTM D5185m		<b>5</b>	3	---
Calcium	ppm	ASTM D5185m		<b>64</b>	63	---
Phosphorus	ppm	ASTM D5185m		<b>1986</b>	2030	---
Zinc	ppm	ASTM D5185m		<b>81</b>	74	---
Sulfur	ppm	ASTM D5185m		<b>27735</b>	25056	---

### CONTAMINANTS

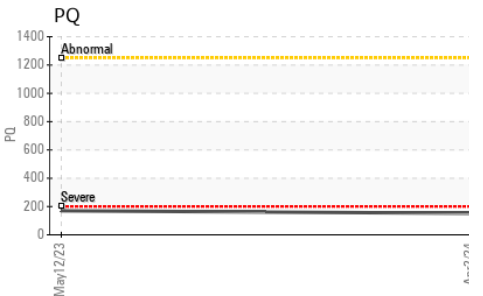
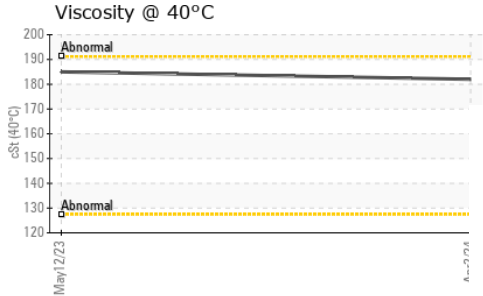
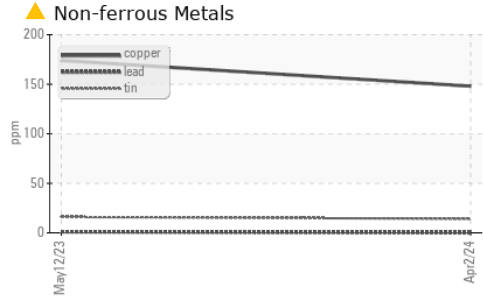
method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>75	<b>17</b>	16	---
Sodium	ppm	ASTM D5185m	>51	<b>17</b>	21	---
Potassium	ppm	ASTM D5185m	>20	<b>7</b>	9	---

### 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	---



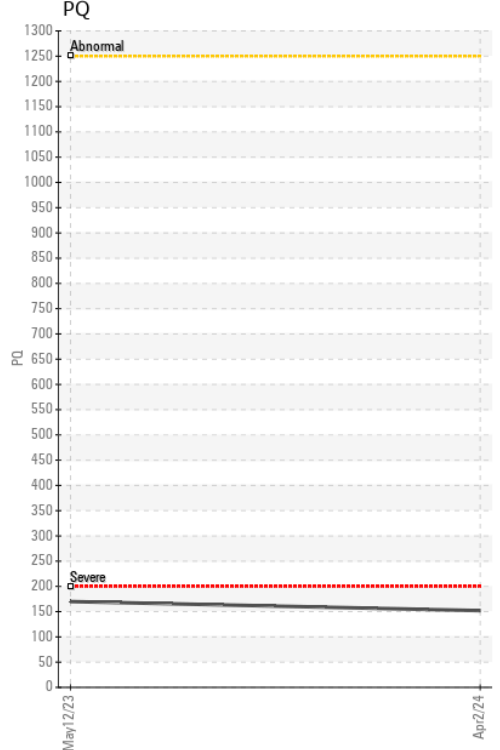
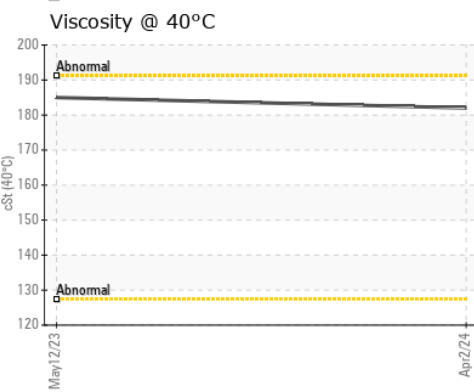
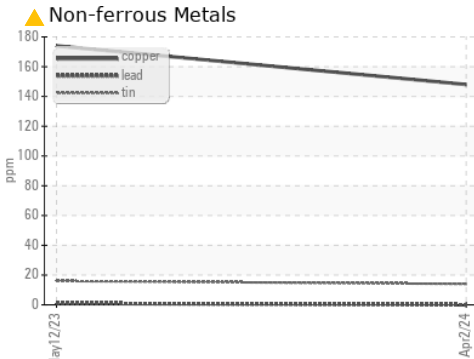
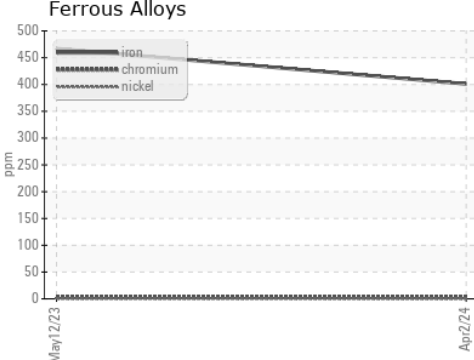
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>182</b>	185	---

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.** : MT0006154      **Received** : 08 Apr 2024  
**Lab Number** : **06141631**      **Tested** : 09 Apr 2024  
**Unique Number** : 10966439      **Diagnosed** : 10 Apr 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**MURPHY TRACTOR - CAMBRIDGE**  
 60611 HULSE DRIVE  
 CAMBRIDGE, OH  
 US 43725  
 Contact: DUSTIN DAILEY  
 DDAILEY@MURPHYTRACTOR.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)      F: (740)439-2325