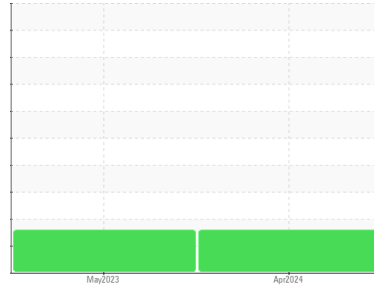




# OIL ANALYSIS REPORT

## Sample Rating Trend



**WEAR**



Machine Id  
**JOHN DEERE 204K 037291**  
 Component  
**Rear Left 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>MT0006156</b>	MT0005582	---
Sample Date	Client Info		<b>02 Apr 2024</b>	12 May 2023	---
Machine Age	hrs	Client Info	<b>2919</b>	0	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
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>149</b>	162	---
Iron	ppm	ASTM D5185m	>750	<b>390</b>	464
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>2</b>	<1
Lead	ppm	ASTM D5185m	>15	<b>0</b>	<1
Copper	ppm	ASTM D5185m	>40	<b>▲ 137</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

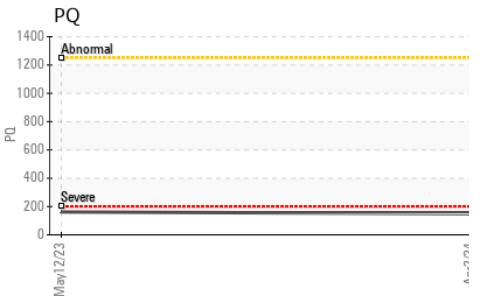
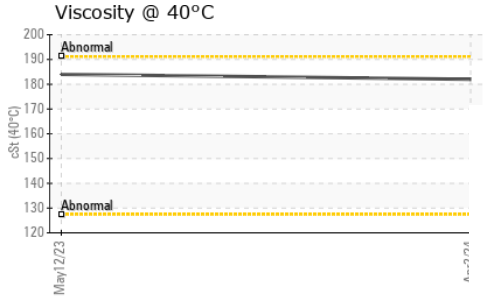
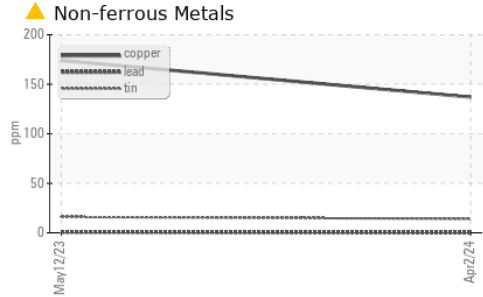
ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>2</b>	2
Barium	ppm	ASTM D5185m		<b>2</b>	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0
Manganese	ppm	ASTM D5185m		<b>6</b>	7
Magnesium	ppm	ASTM D5185m		<b>6</b>	3
Calcium	ppm	ASTM D5185m		<b>61</b>	64
Phosphorus	ppm	ASTM D5185m		<b>1976</b>	2045
Zinc	ppm	ASTM D5185m		<b>78</b>	74
Sulfur	ppm	ASTM D5185m		<b>27751</b>	25056

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>18</b>	17
Sodium	ppm	ASTM D5185m	>51	<b>17</b>	22
Potassium	ppm	ASTM D5185m	>20	<b>8</b>	10

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



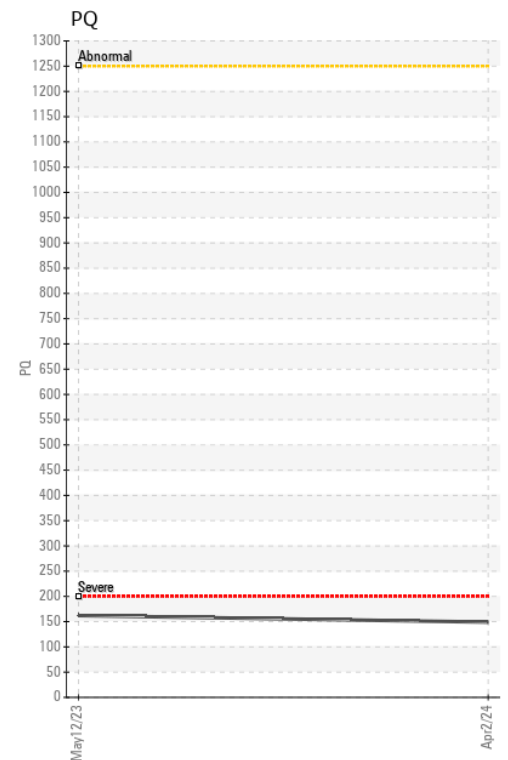
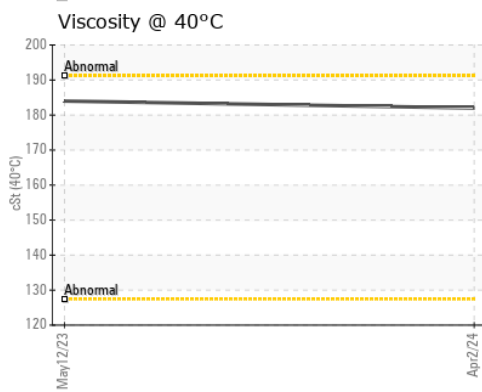
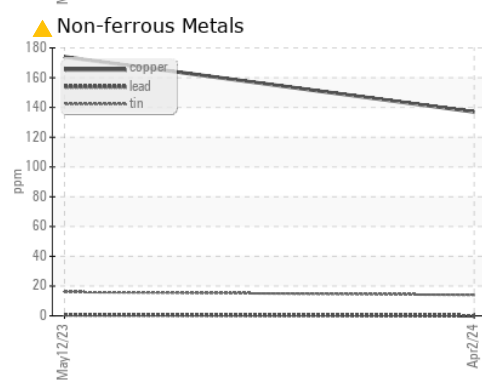
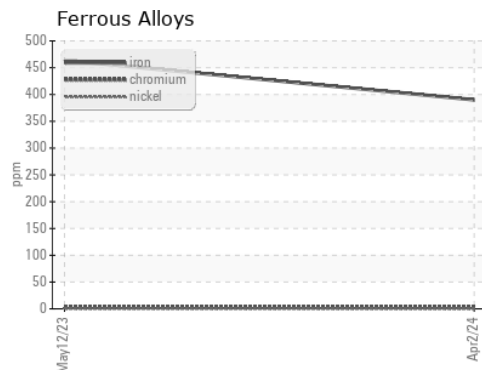
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>182</b>	184	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MT0006156      **Received** : 08 Apr 2024  
**Lab Number** : **06141632**      **Tested** : 09 Apr 2024  
**Unique Number** : 10966440      **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