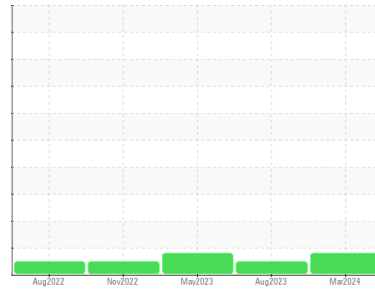




# OIL ANALYSIS REPORT

## Sample Rating Trend



**WEAR**



Machine Id

**JOHN DEERE 944K 703671**

Component

**Front Left Final Drive**

Fluid

**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

### DIAGNOSIS

#### Recommendation

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

#### Wear

The copper level is abnormal. All other 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>MT0006215</b>	MT0005777	MT0005586
Sample Date	Client Info	<b>28 Mar 2024</b>	02 Aug 2023	05 May 2023
Machine Age	hrs	<b>3918</b>	526	2034
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	Changed
Sample Status		<b>ABNORMAL</b>	NORMAL	ABNORMAL

### 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		
PQ	ASTM D8184	>1250	<b>15</b>	15	14	
Iron	ppm	ASTM D5185m	>750	<b>14</b>	10	13
Chromium	ppm	ASTM D5185m	>9	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185m	>15	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>40	<b>▲ 146</b>	32	▲ 67
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

### ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	6	<b>4</b>	1	2
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	145	<b>96</b>	100	91
Calcium	ppm	ASTM D5185m	3570	<b>3476</b>	3688	3360
Phosphorus	ppm	ASTM D5185m	1290	<b>1041</b>	1071	964
Zinc	ppm	ASTM D5185m	1640	<b>1231</b>	1299	1208
Sulfur	ppm	ASTM D5185m		<b>4141</b>	4215	3744

### CONTAMINANTS

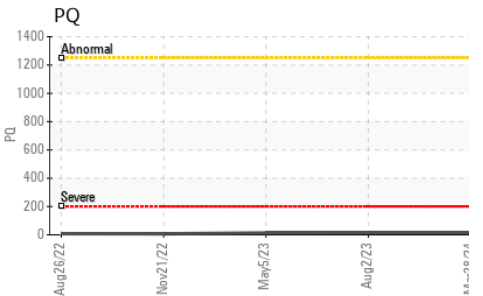
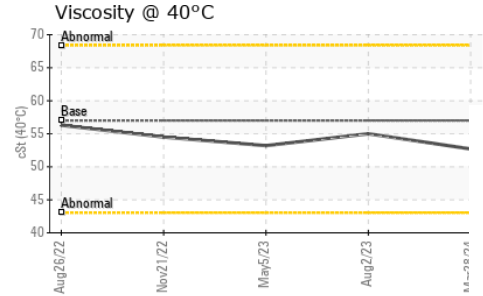
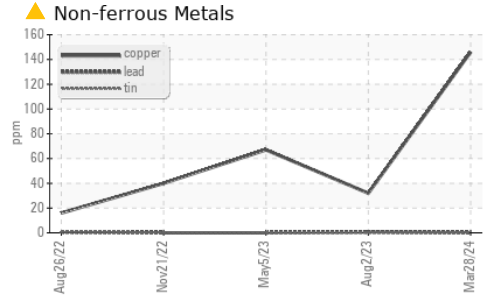
method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>75	<b>24</b>	30	24
Sodium	ppm	ASTM D5185m	>51	<b>2</b>	5	3
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0

### VISUAL

method	limit/base	current	history1	history2		
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
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



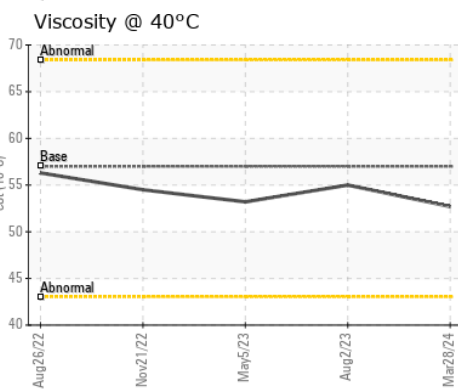
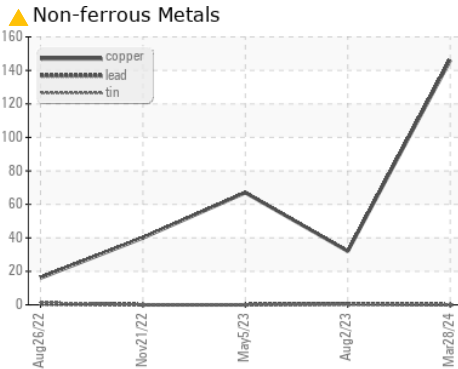
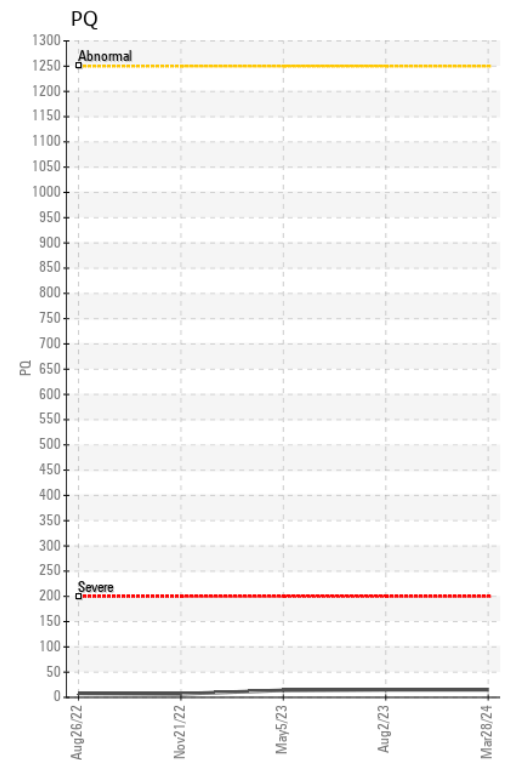
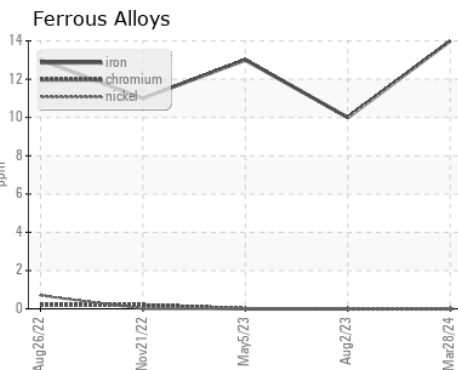
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 57.0	<b>52.7</b>	55.0	53.2

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.** : MT0006215      **Received** : 08 Apr 2024  
**Lab Number** : **06141618**      **Tested** : 09 Apr 2024  
**Unique Number** : 10966426      **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