



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**JOHN DEERE 944K 703680 - MT4**  
 Component  
**Front Right Final Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MT0006347</b>	MT0005849	---
Sample Date		Client Info		<b>05 Apr 2024</b>	25 Jan 2024	---
Machine Age	hrs	Client Info		<b>2516</b>	1997	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>20</b>	16	---
Iron	ppm	ASTM D5185m	>750	<b>7</b>	15	---
Chromium	ppm	ASTM D5185m	>9	<b>2</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>2</b>	2	---
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>40	<b>47</b>	▲ 77	---
Tin	ppm	ASTM D5185m	>10	<b>3</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

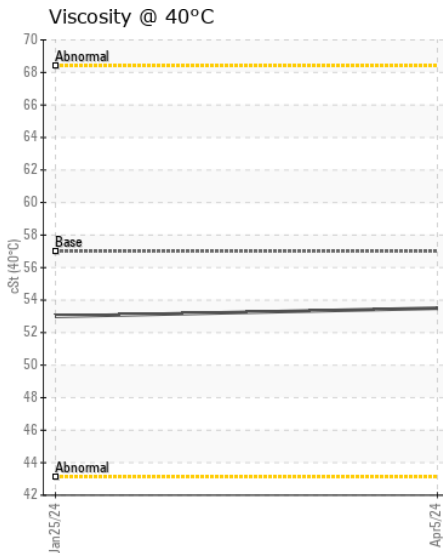
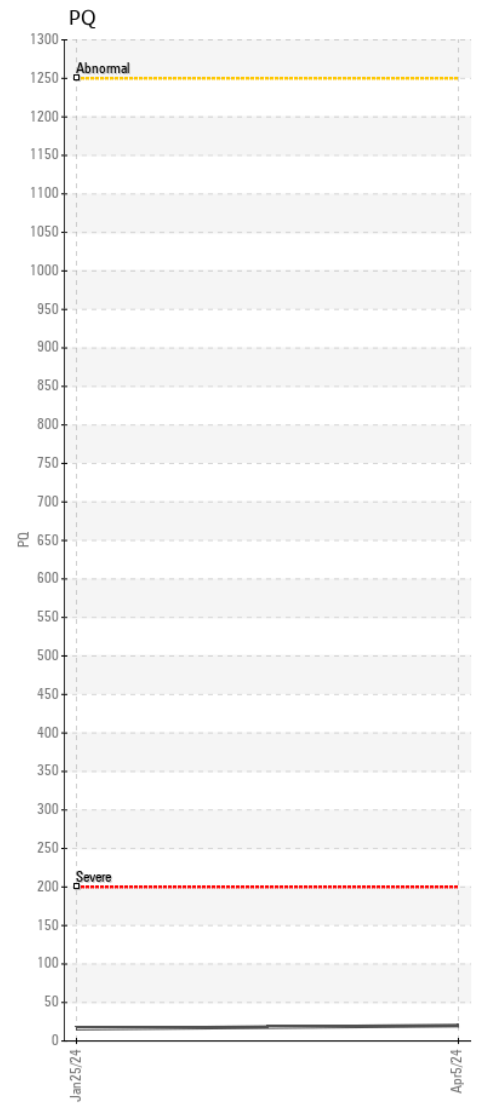
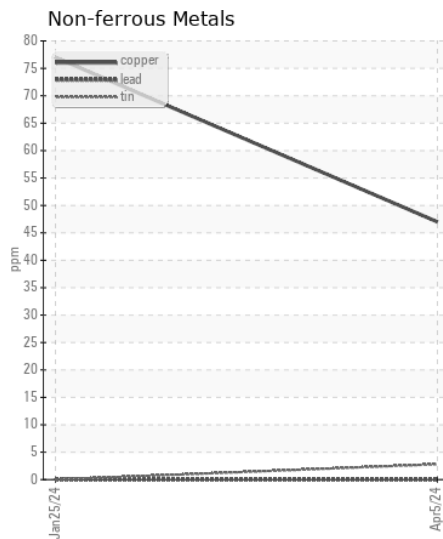
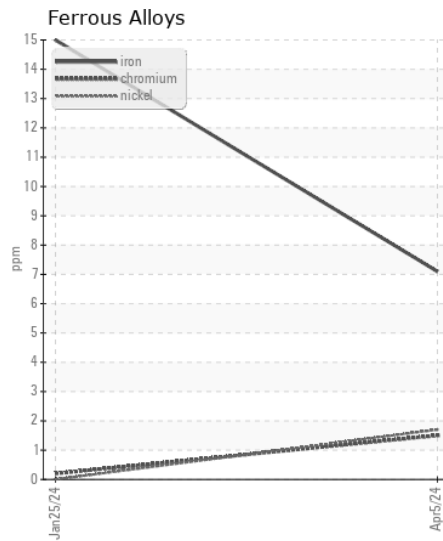
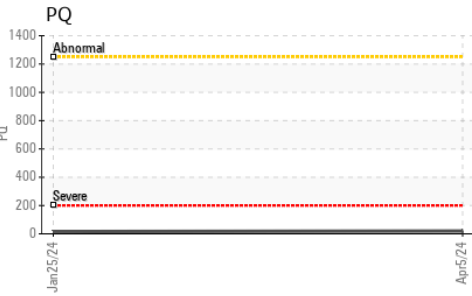
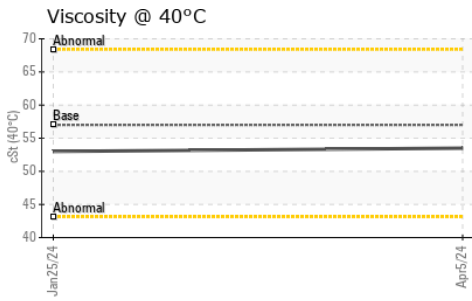
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>14</b>	23	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
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	---

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>2</b>	0	---
Boron	ppm	ASTM D5185m	6	<b>0</b>	2	---
Barium	ppm	ASTM D5185m	0	<b>4</b>	2	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	---
Magnesium	ppm	ASTM D5185m	145	<b>91</b>	91	---
Calcium	ppm	ASTM D5185m	3570	<b>3807</b>	3321	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1025</b>	1040	---
Zinc	ppm	ASTM D5185m	1640	<b>1144</b>	1205	---
Sulfur	ppm	ASTM D5185m		<b>4264</b>	4142	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>53.5</b>	53.0	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : MT0006347

**Lab Number** : 06150687

**Unique Number** : 10980765

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 16 Apr 2024

**Tested** : 17 Apr 2024

**Diagnosed** : 18 Apr 2024 - Sean Felton

**MURPHY TRACTOR - CAMBRIDGE**

60611 HULSE DRIVE

CAMBRIDGE, OH

US 43725

Contact: DUSTIN DAILEY

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T:

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