



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**Store 2 - Beaver [RO#147458]**  
Machine Id  
**JOHN DEERE 550K 1T0550KKTNF432092**  
Component  
**Left Final Drive**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (2 GAL)**

## 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0048923</b>	LEC0037639	---
Sample Date		Client Info		<b>16 Apr 2024</b>	06 Jun 2023	---
Machine Age	hrs	Client Info		<b>1100</b>	583	---
Oil Age	hrs	Client Info		<b>1100</b>	583	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>39</b>	27	---
Iron	ppm	ASTM D5185m	>750	<b>80</b>	54	---
Chromium	ppm	ASTM D5185m	>9	<b>3</b>	1	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>12</b>	<1	---
Lead	ppm	ASTM D5185m	>15	<b>1</b>	0	---
Copper	ppm	ASTM D5185m	>40	<b>1</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

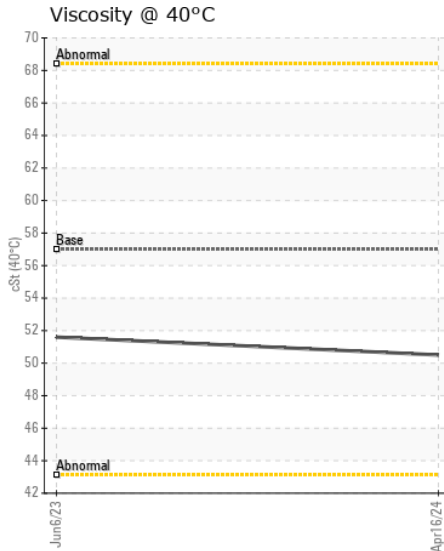
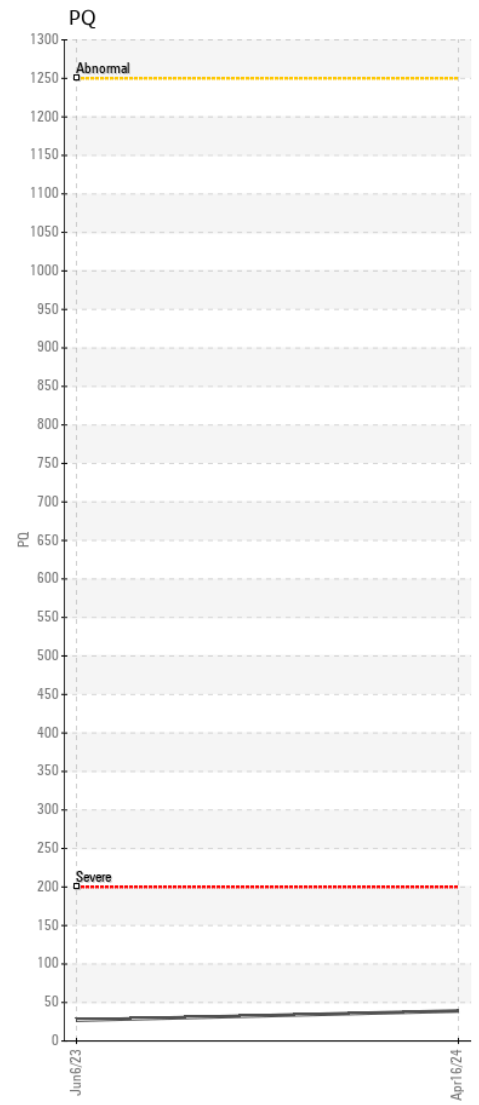
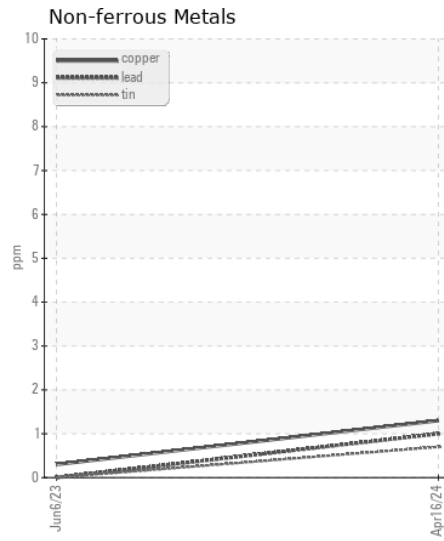
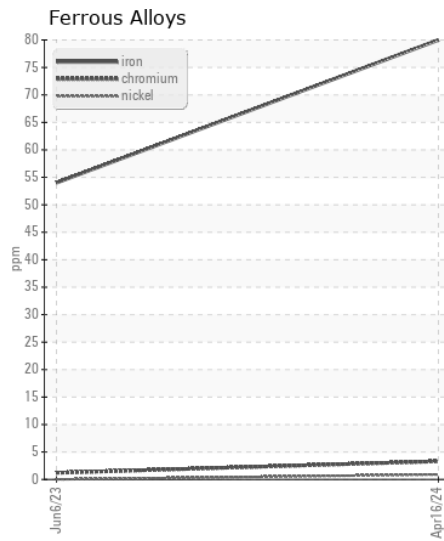
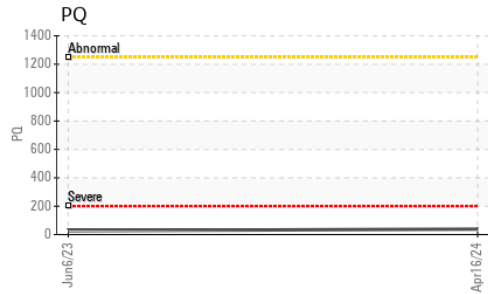
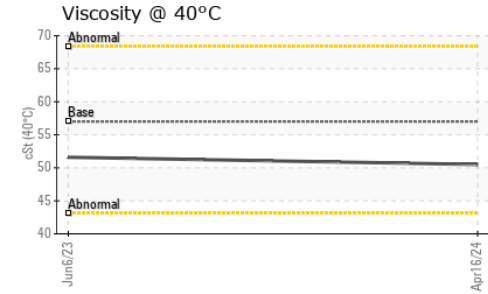
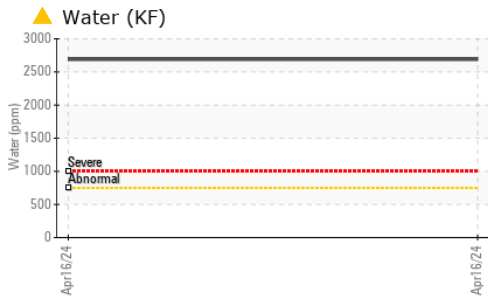
There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>37</b>	10	---
Potassium	ppm	ASTM D5185m	>20	<b>8</b>	<1	---
Water	%	ASTM D6304	>0.075	<b>▲ 0.269</b>	---	---
ppm Water	ppm	ASTM D6304	>750	<b>▲ 2690</b>	---	---
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>▲ 0.2%</b>	NEG	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>1</b>	3	---
Boron	ppm	ASTM D5185m	6	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	0	<b>5</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>5</b>	4	---
Magnesium	ppm	ASTM D5185m	145	<b>101</b>	99	---
Calcium	ppm	ASTM D5185m	3570	<b>3465</b>	3461	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1082</b>	1018	---
Zinc	ppm	ASTM D5185m	1640	<b>1252</b>	1240	---
Sulfur	ppm	ASTM D5185m		<b>3798</b>	4116	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>50.5</b>	51.6	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0048923 **Received** : 18 Apr 2024  
**Lab Number** : 06153361 **Tested** : 22 Apr 2024  
**Unique Number** : 10983439 **Diagnosed** : 22 Apr 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: KF, PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.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)

T:  
 F: (740)373-5570