



# OIL ANALYSIS REPORT

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



Area  
**Store 2 - Beaver [RO#152529]**  
Machine Id  
**JOHN DEERE 650K 1T0650KKPPF435678**  
Component  
**Left Final Drive**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (2 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0051787</b>	LEC0046839	---
Sample Date		Client Info		<b>26 Jun 2024</b>	02 Jan 2024	---
Machine Age	hrs	Client Info		<b>1024</b>	574	---
Oil Age	hrs	Client Info		<b>1024</b>	574	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>181</b>	859	---
Iron	ppm	ASTM D5185m	>750	<b>195</b>	419	---
Chromium	ppm	ASTM D5185m	>9	<b>3</b>	3	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>6</b>	1	---
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>40	<b>1</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

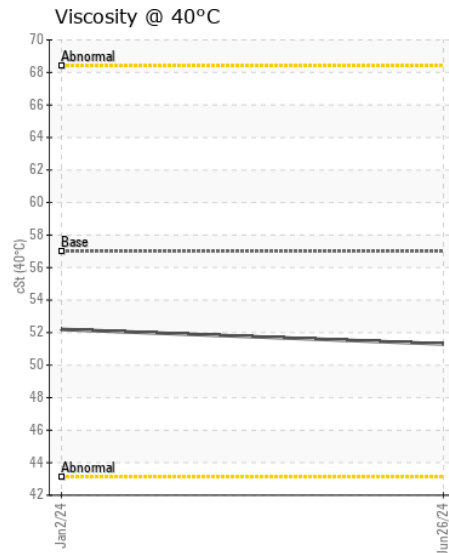
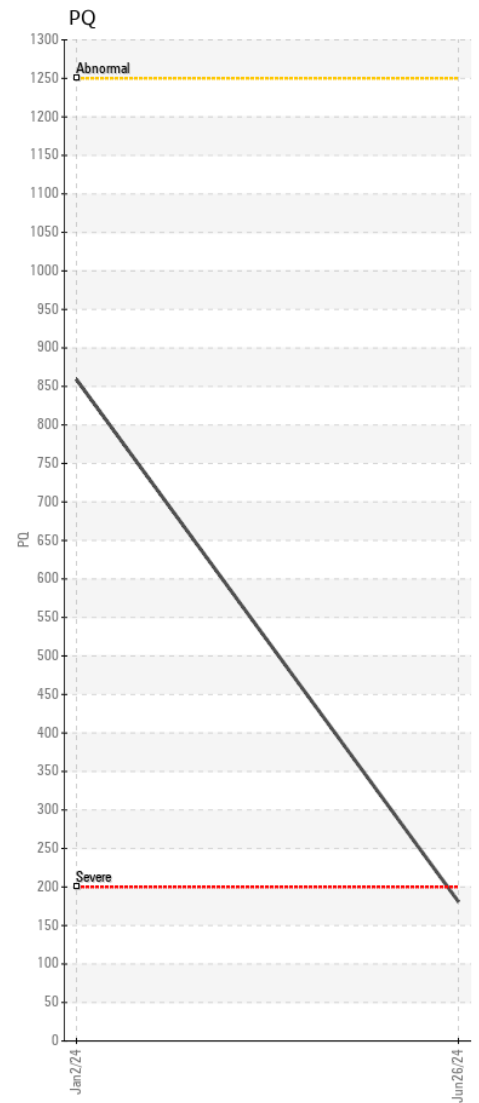
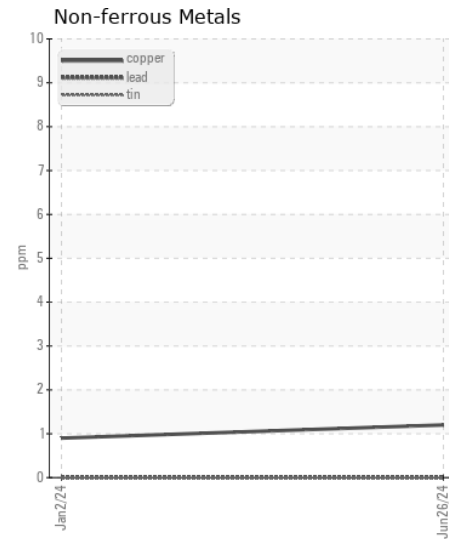
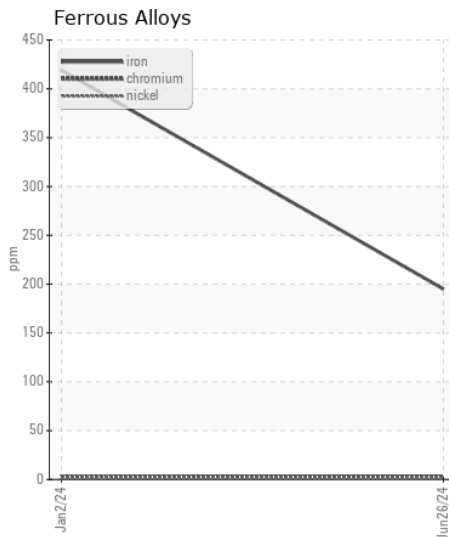
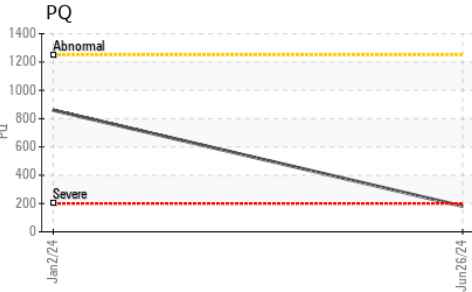
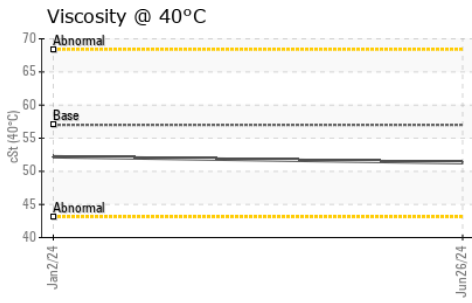
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>21</b>	9	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>MODER</b>	MODER	---
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>5</b>	1	---
Boron	ppm	ASTM D5185m	6	<b>0</b>	1	---
Barium	ppm	ASTM D5185m	0	<b>3</b>	2	---
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>6</b>	7	---
Magnesium	ppm	ASTM D5185m	145	<b>104</b>	105	---
Calcium	ppm	ASTM D5185m	3570	<b>3648</b>	3370	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1055</b>	958	---
Zinc	ppm	ASTM D5185m	1640	<b>1206</b>	1222	---
Sulfur	ppm	ASTM D5185m		<b>3942</b>	3457	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>51.3</b>	52.2	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0051787 **Received** : 05 Jul 2024  
**Lab Number** : 06228977 **Tested** : 08 Jul 2024  
**Unique Number** : 11112470 **Diagnosed** : 08 Jul 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

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

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