



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



Area  
**[W13957]**  
 Machine Id  
**JOHN DEERE 650K-II 1T0650KKCNF430135**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W13957 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0173689</b>	JR0161034	---
Sample Date		Client Info		<b>18 May 2023</b>	06 Mar 2023	---
Machine Age	hrs	Client Info		<b>1027</b>	719	---
Oil Age	hrs	Client Info		<b>1027</b>	719	---
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>26</b>	26	---
Iron	ppm	ASTM D5185m	>750	<b>47</b>	49	---
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	1	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>40	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

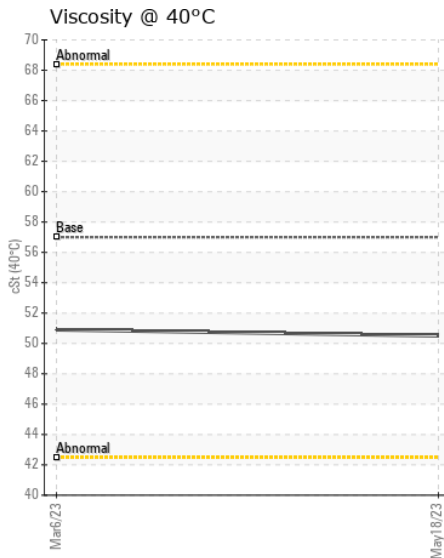
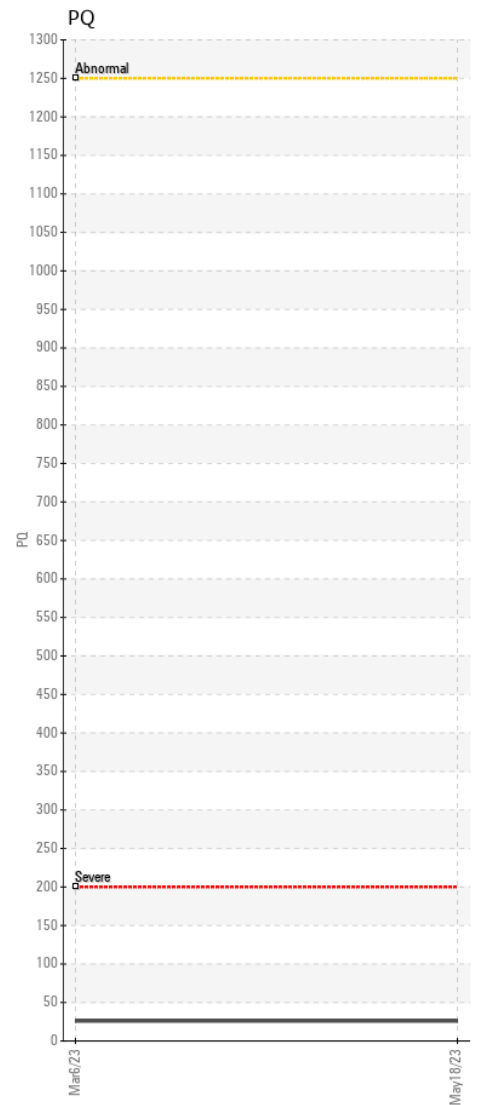
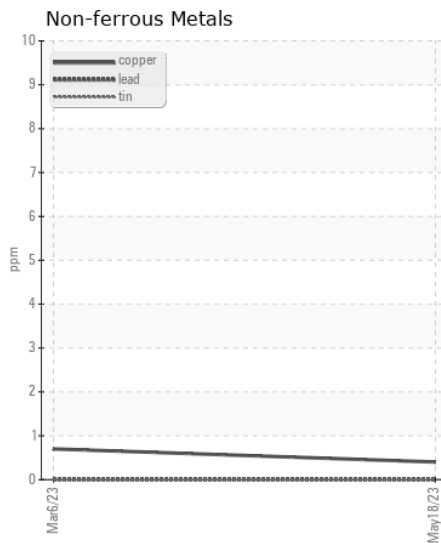
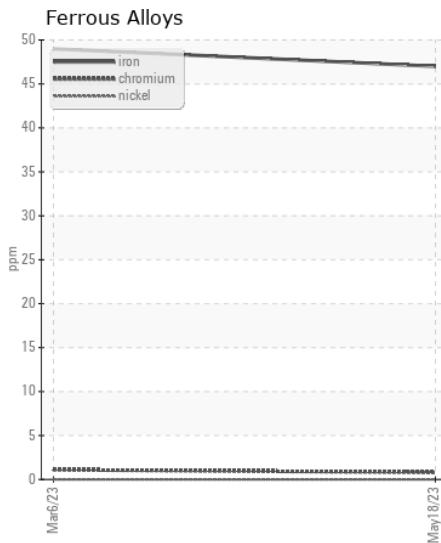
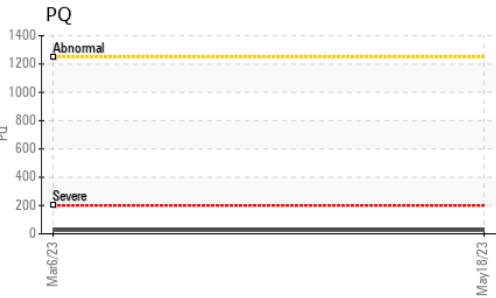
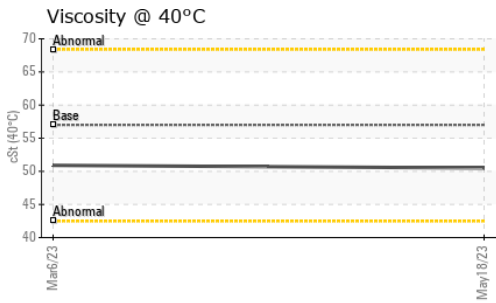
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>6</b>	16	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	---
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>3</b>	2	---
Boron	ppm	ASTM D5185m	6	<b>0</b>	1	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	1	---
Manganese	ppm	ASTM D5185m		<b>4</b>	4	---
Magnesium	ppm	ASTM D5185m	145	<b>98</b>	109	---
Calcium	ppm	ASTM D5185m	3570	<b>3469</b>	3955	---
Phosphorus	ppm	ASTM D5185m	1290	<b>991</b>	1103	---
Zinc	ppm	ASTM D5185m	1640	<b>1267</b>	1412	---
Sulfur	ppm	ASTM D5185m		<b>3872</b>	4263	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>50.5</b>	50.9	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0173689 **Received** : 23 May 2023  
**Lab Number** : 05854580 **Diagnosed** : 24 May 2023  
**Unique Number** : 10483935 **Diagnostician** : Angela Borella  
**Test Package** : CONST ( Additional Tests: PQ )

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)

**JRE - CASTLE HAYNE**  
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