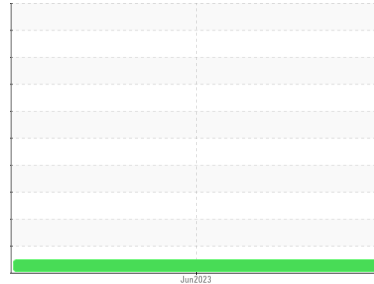


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**

 Machine Id  
**JOHN DEERE 650K-II 1T0650KKAJF325406**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

**DIAGNOSIS**
**Recommendation**

Resample at the next service interval to monitor.

**Wear**

All 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	history 1	history 2
Sample Number	Client Info		<b>JR0175733</b>	---	---
Sample Date	Client Info		<b>21 Jun 2023</b>	---	---
Machine Age	hrs	Client Info	<b>704</b>	---	---
Oil Age	hrs	Client Info	<b>704</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

**WEAR METALS**

	method	limit/base	current	history 1	history 2
PQ	ASTM D8184	>1250	<b>37</b>	---	---
Iron	ppm	ASTM D5185m	>500	<b>91</b>	---
Chromium	ppm	ASTM D5185m	>10	<b>4</b>	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	---
Titanium	ppm	ASTM D5185m		<b>1</b>	---
Silver	ppm	ASTM D5185m		<b>0</b>	---
Aluminum	ppm	ASTM D5185m	>25	<b>17</b>	---
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	---
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---

**ADDITIVES**

	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	6	<b>0</b>	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	---
Molybdenum	ppm	ASTM D5185m	0	<b>4</b>	---
Manganese	ppm	ASTM D5185m		<b>5</b>	---
Magnesium	ppm	ASTM D5185m	145	<b>103</b>	---
Calcium	ppm	ASTM D5185m	3570	<b>3636</b>	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1082</b>	---
Zinc	ppm	ASTM D5185m	1640	<b>1347</b>	---
Sulfur	ppm	ASTM D5185m		<b>4673</b>	---

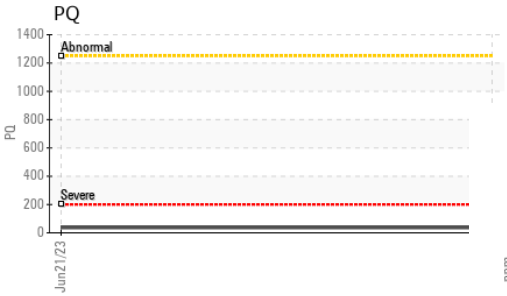
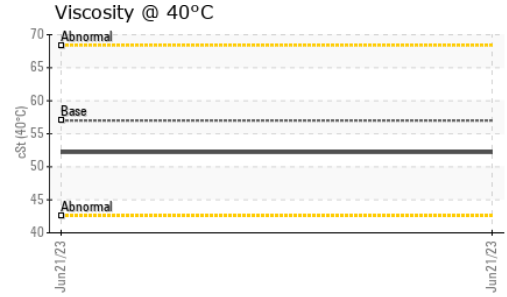
**CONTAMINANTS**

	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>75	<b>44</b>	---
Sodium	ppm	ASTM D5185m	>51	<b>6</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>19</b>	---

**VISUAL**

	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	---
Free Water	scalar	*Visual		<b>NEG</b>	---

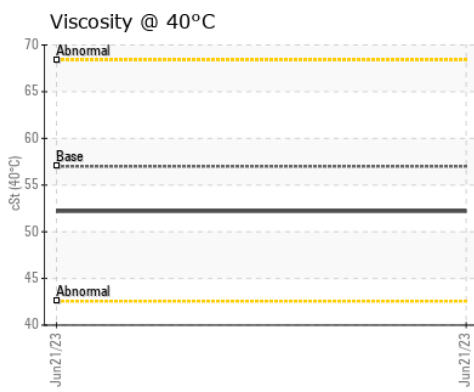
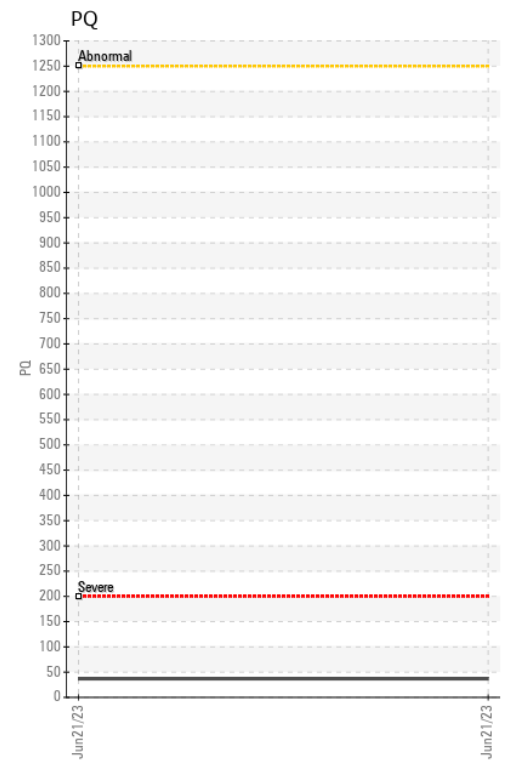
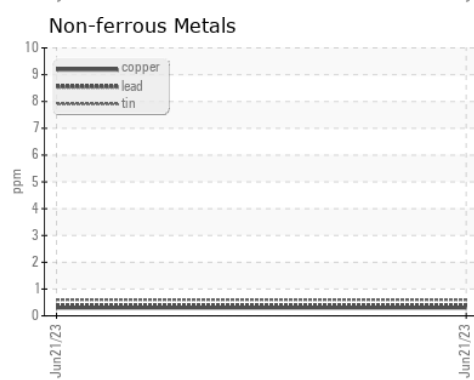
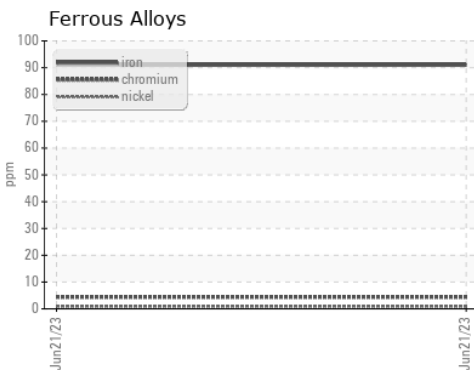
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history 1	history 2	
Visc @ 40°C	cSt	ASTM D445	57.0	<b>52.2</b>	---	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0175733      **Received** : 22 Jun 2023  
**Lab Number** : **05881073**      **Diagnosed** : 26 Jun 2023  
**Unique Number** : 10526176      **Diagnostician** : Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - ASHEVILLE**  
 101 BRUCE ROAD  
 ASHEVILLE, NC  
 US 28806  
 Contact: JOEL PRICE  
 jprice@jamesriverequipment.com  
 T: (528)667-0176  
 F: (828)667-4865

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)