



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



Machine Id

**JOHN DEERE 544K 1DW544KPPBD637550**

Component

**Transmission (Manual)**

Fluid

**JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (20 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0218621</b>	JR0116926	---
Sample Date		Client Info		<b>19 Jun 2024</b>	01 Apr 2022	---
Machine Age	hrs	Client Info		<b>11823</b>	9803	---
Oil Age	hrs	Client Info		<b>2020</b>	9803	---
Filter Age	hrs	Client Info		<b>0</b>	9803	---
Oil Changed		Client Info		<b>Not Changed</b>	Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	<b>27</b>	31	---
Iron	ppm	ASTM D5185m	>200	<b>50</b>	71	---
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>7	<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	3	---
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>225	<b>3</b>	2	---
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

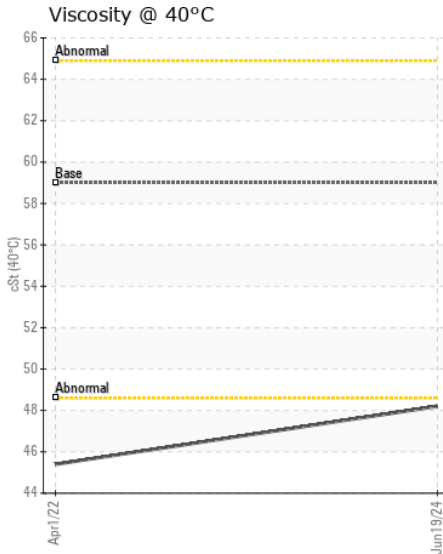
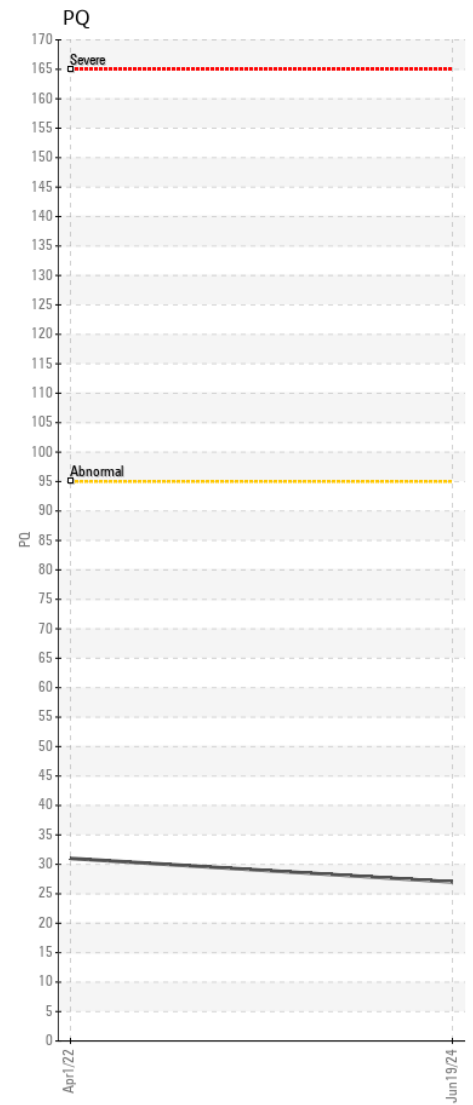
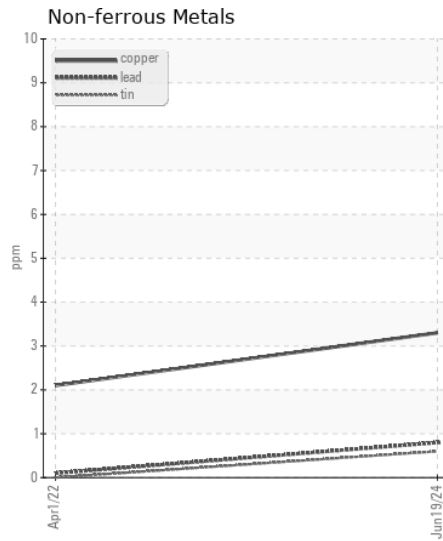
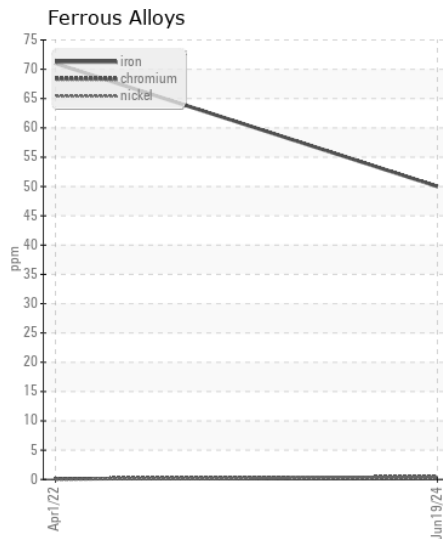
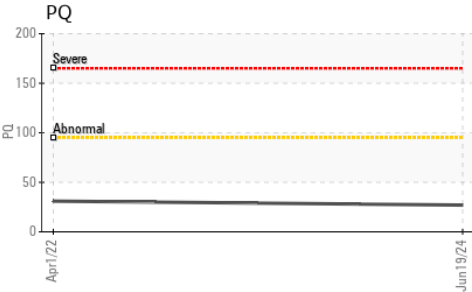
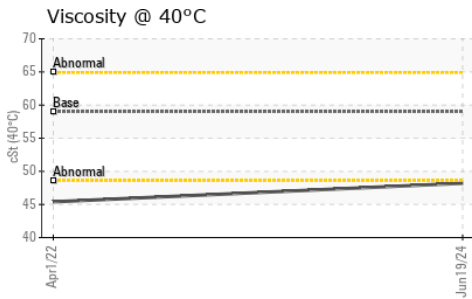
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>4</b>	3	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	---
Water		WC Method	>0.1	<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	>0.1	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>0</b>	<1	---
Boron	ppm	ASTM D5185m		<b>8</b>	9	---
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	1	---
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>59</b>	17	---
Calcium	ppm	ASTM D5185m		<b>2031</b>	352	---
Phosphorus	ppm	ASTM D5185m		<b>722</b>	431	---
Zinc	ppm	ASTM D5185m		<b>899</b>	493	---
Sulfur	ppm	ASTM D5185m		<b>2578</b>	1404	---
Visc @ 40°C	cSt	ASTM D445	59	<b>48.2</b>	45.4	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0218621 **Received** : 24 Jun 2024  
**Lab Number** : 06218453 **Tested** : 25 Jun 2024  
**Unique Number** : 11096650 **Diagnosed** : 25 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - MANASSAS PARK**  
 9107 OWENS DRIVE  
 MANASSAS PARK, VA  
 US 20111

Contact: TECHNICIAN ACCOUNT  
 catherine.anastasio@wearcheck.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)

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