



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

Machine Id  
**JOHN DEERE 1T0310SLPMF401520**  
 Component  
**Transmission**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (16 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0203222</b>	JR0184176	---
Sample Date		Client Info		<b>08 Feb 2024</b>	06 Sep 2023	---
Machine Age	hrs	Client Info		<b>2161</b>	1809	---
Oil Age	hrs	Client Info		<b>2161</b>	0	---
Filter Age	hrs	Client Info		<b>2161</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>Changed</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>100	<b>19</b>	16	---
Iron	ppm	ASTM D5185m	>61	<b>47</b>	40	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m		<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>20	<b>8</b>	8	---
Lead	ppm	ASTM D5185m	>9	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>100	<b>16</b>	15	---
Tin	ppm	ASTM D5185m	>3	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

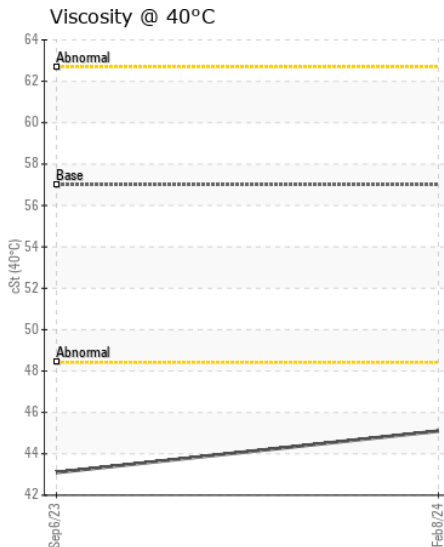
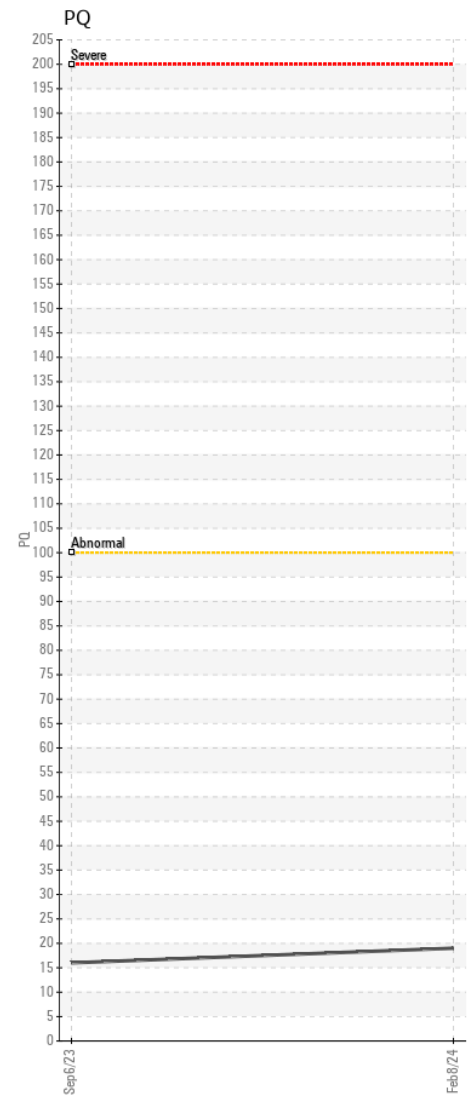
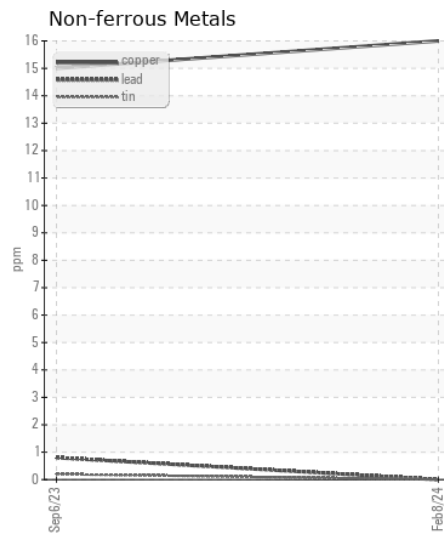
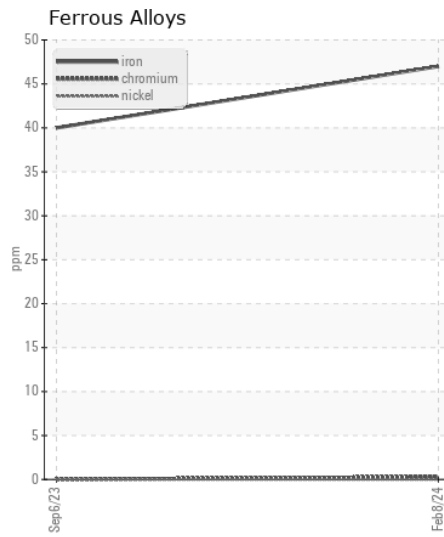
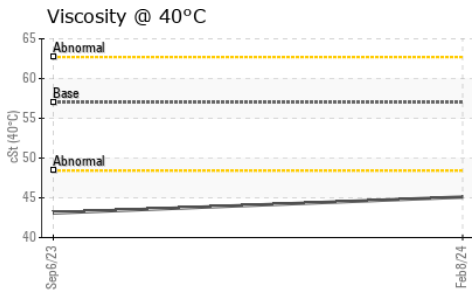
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>21	<b>6</b>	6	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	1	---
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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>30	<b>8</b>	8	---
Boron	ppm	ASTM D5185m	6	<b>21</b>	22	---
Barium	ppm	ASTM D5185m	0	<b>2</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>3</b>	2	---
Magnesium	ppm	ASTM D5185m	145	<b>84</b>	84	---
Calcium	ppm	ASTM D5185m	3570	<b>3343</b>	3662	---
Phosphorus	ppm	ASTM D5185m	1290	<b>909</b>	1036	---
Zinc	ppm	ASTM D5185m	1640	<b>1258</b>	1326	---
Sulfur	ppm	ASTM D5185m		<b>3605</b>	4226	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>45.1</b>	43.1	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0203222 **Received** : 09 Feb 2024  
**Lab Number** : 06085470 **Tested** : 12 Feb 2024  
**Unique Number** : 10872915 **Diagnosed** : 12 Feb 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**NPL CONSTRUCTION**  
 7611 COPPERMINE DR  
 MANASSAS, VA  
 US 20109-2668  
 Contact: BRANDON

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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F: