



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



Machine Id  
**JOHN DEERE 310E OT-6 (S/N 1DW310EXJMF711144)**  
 Component  
**Transmission (Auto)**  
 Fluid  
**JOHN DEERE HD SynTran (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0206170</b>	JR0142170	---
Sample Date		Client Info		<b>24 Apr 2024</b>	11 Oct 2022	---
Machine Age	hrs	Client Info		<b>1832</b>	769	---
Oil Age	hrs	Client Info		<b>1832</b>	500	---
Filter Age	hrs	Client Info		<b>1832</b>	500	---
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	>50	<b>27</b>	16	---
Iron	ppm	ASTM D5185m	>160	<b>38</b>	22	---
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>1</b>	2	---
Silver	ppm	ASTM D5185m	>5	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>50	<b>0</b>	2	---
Lead	ppm	ASTM D5185m	>50	<b>14</b>	15	---
Copper	ppm	ASTM D5185m	>225	<b>3</b>	2	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
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

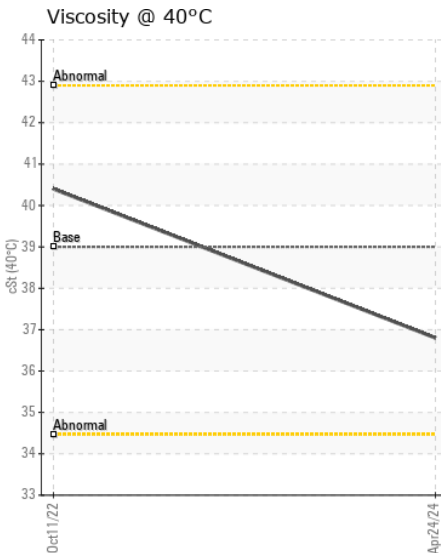
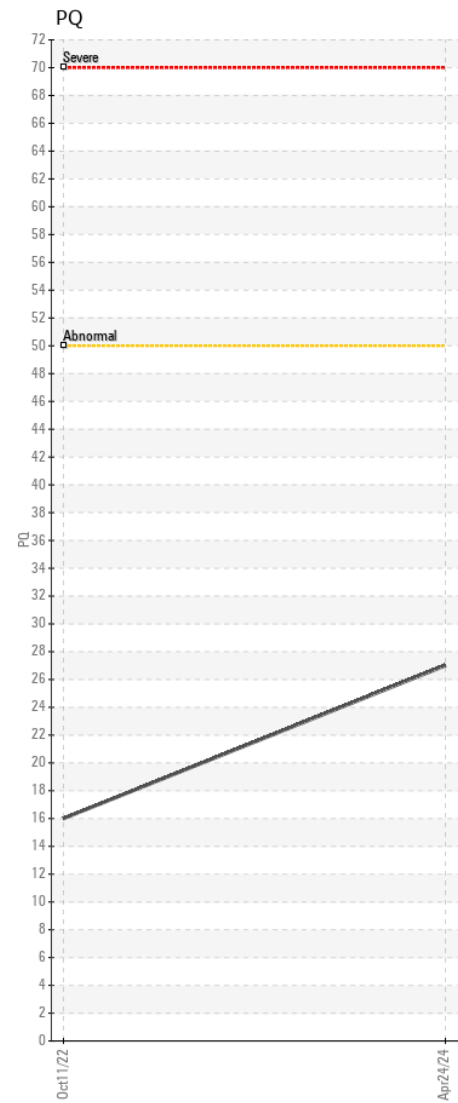
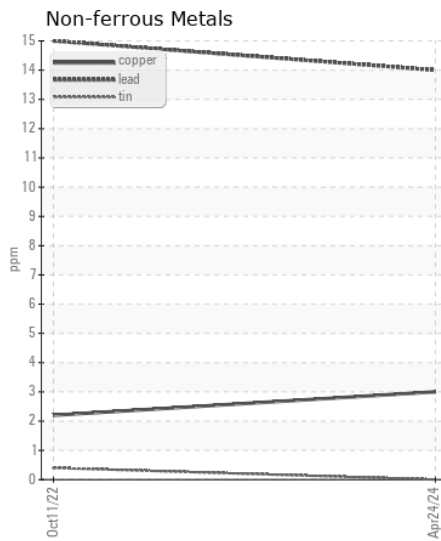
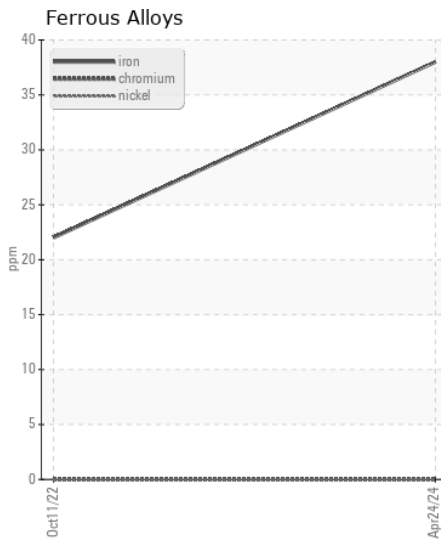
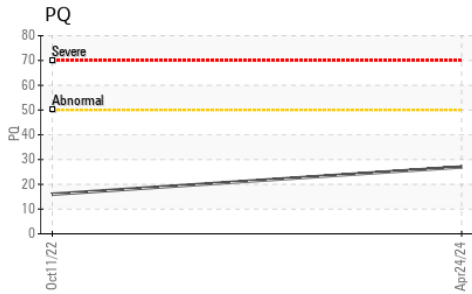
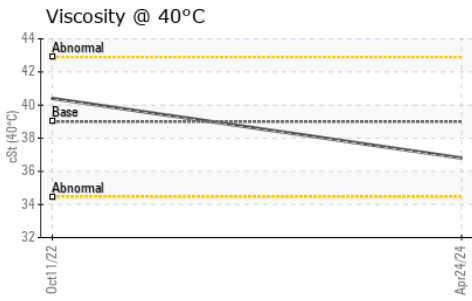
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>4</b>	13	---
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>	VLITE	---
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>6</b>	4	---
Boron	ppm	ASTM D5185m	168	<b>111</b>	109	---
Barium	ppm	ASTM D5185m		<b>2</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	3	---
Manganese	ppm	ASTM D5185m		<b>1</b>	1	---
Magnesium	ppm	ASTM D5185m		<b>10</b>	0	---
Calcium	ppm	ASTM D5185m	33	<b>198</b>	233	---
Phosphorus	ppm	ASTM D5185m	330	<b>273</b>	294	---
Zinc	ppm	ASTM D5185m	0	<b>60</b>	58	---
Sulfur	ppm	ASTM D5185m	980	<b>608</b>	473	---
Visc @ 40°C	cSt	ASTM D445	39	<b>36.8</b>	40.4	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : JR0206170

**Lab Number** : 06161718

**Unique Number** : 10997141

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 26 Apr 2024

**Tested** : 30 Apr 2024

**Diagnosed** : 30 Apr 2024 - Sean Felton

**KEVIN RICHARDSON GRADING**

151 BRICKYARD RD

MOUNT HOLLY, NC

US 28120

Contact: B HELMS

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T:

F:

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)