



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



Machine Id  
**JOHN DEERE 310E 1DW310EXJNF714367**  
Component  
**Center Axle**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0209699</b>	JR0168246	---
Sample Date		Client Info		<b>14 Jun 2024</b>	08 May 2023	---
Machine Age	hrs	Client Info		<b>1681</b>	1021	---
Oil Age	hrs	Client Info		<b>1681</b>	1021	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>66</b>	81	---
Iron	ppm	ASTM D5185m	>1501	<b>121</b>	112	---
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	1	---
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>21	<b>3</b>	8	---
Lead	ppm	ASTM D5185m	>51	<b>13</b>	10	---
Copper	ppm	ASTM D5185m	>101	<b>91</b>	92	---
Tin	ppm	ASTM D5185m	>10	<b>5</b>	5	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

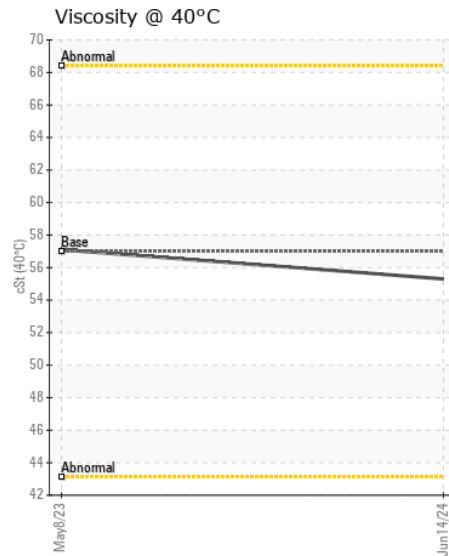
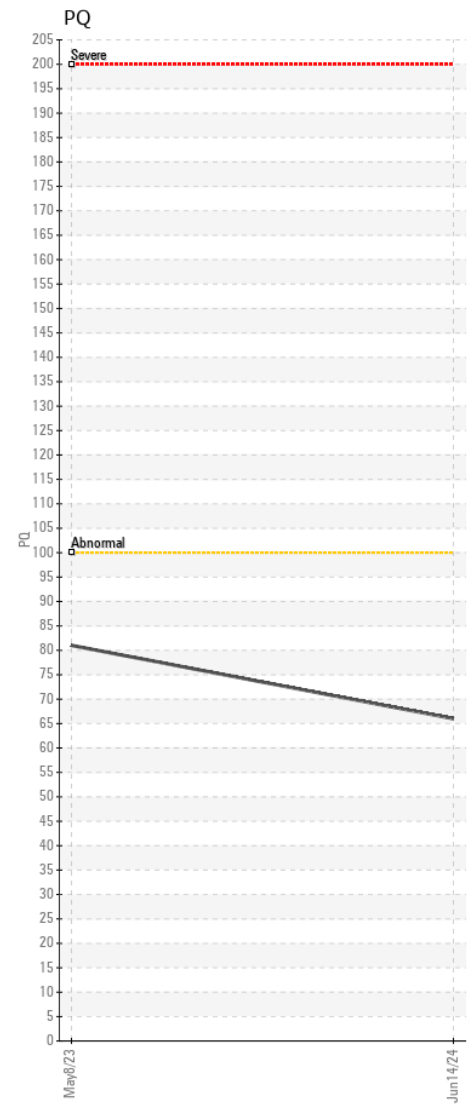
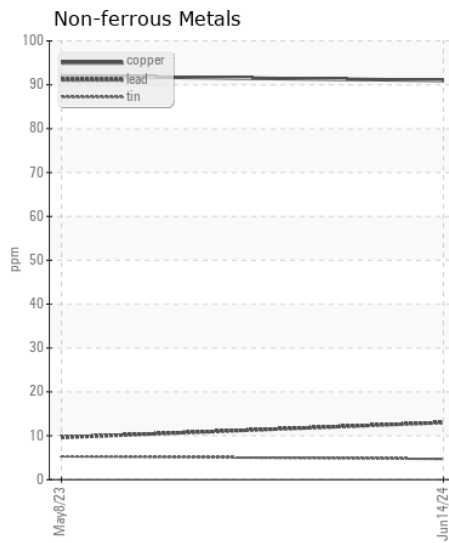
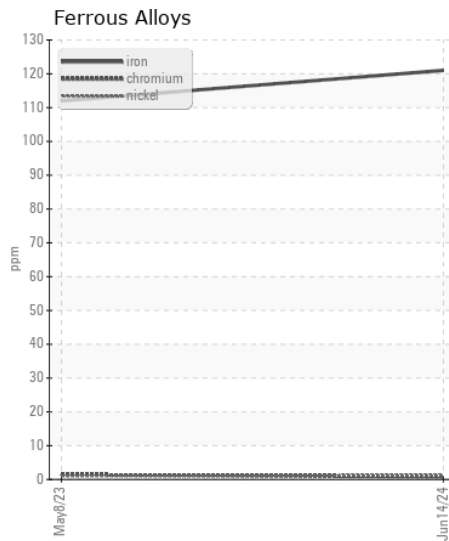
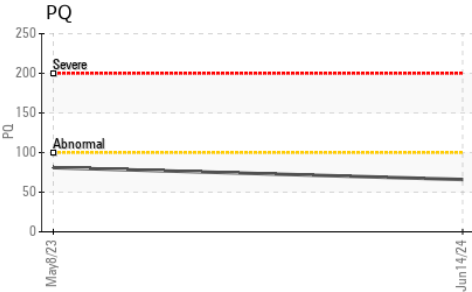
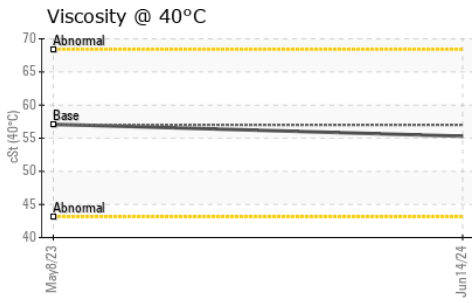
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>31	<b>10</b>	15	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	---
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 oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>51	<b>9</b>	12	---
Boron	ppm	ASTM D5185m	6	<b>20</b>	49	---
Barium	ppm	ASTM D5185m	0	<b>3</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>3</b>	4	---
Magnesium	ppm	ASTM D5185m	145	<b>86</b>	66	---
Calcium	ppm	ASTM D5185m	3570	<b>3483</b>	3564	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1080</b>	1084	---
Zinc	ppm	ASTM D5185m	1640	<b>1268</b>	1378	---
Sulfur	ppm	ASTM D5185m		<b>4165</b>	4564	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>55.3</b>	57.1	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0209699 **Received** : 17 Jun 2024  
**Lab Number** : 06212029 **Tested** : 18 Jun 2024  
**Unique Number** : 11084893 **Diagnosed** : 19 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GARNER**  
 4161 AUBURN CHURCH RD  
 GARNER, NC  
 US 27529

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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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