



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



Machine Id  
**JOHN DEERE 310E 1DW310EXPLF706554**  
Component  
**Transmission (Auto)**  
Fluid  
**ATF (PAO) (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) ATF (PAO). Please confirm.

### WEAR

All component wear rates are normal.

### CONTAMINATION

There is no indication of any contamination in the fluid.

### FLUID CONDITION

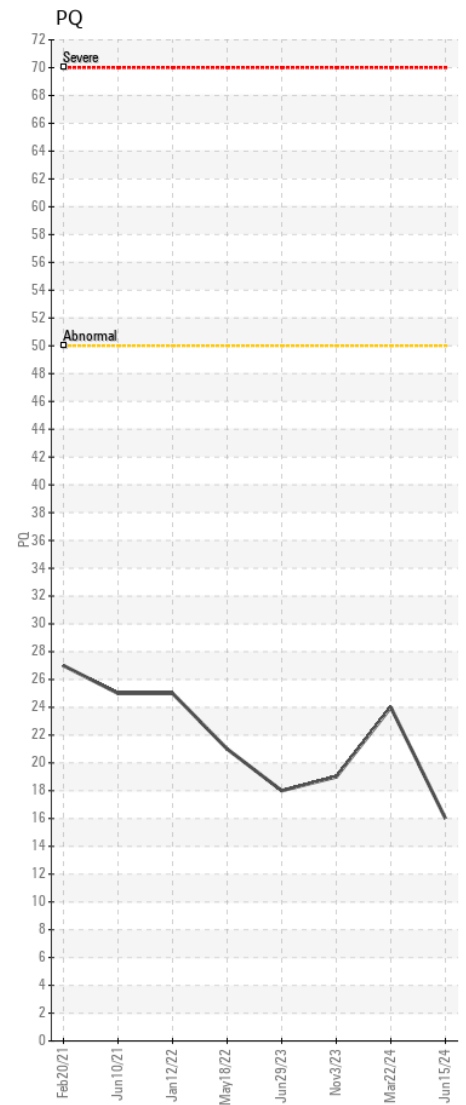
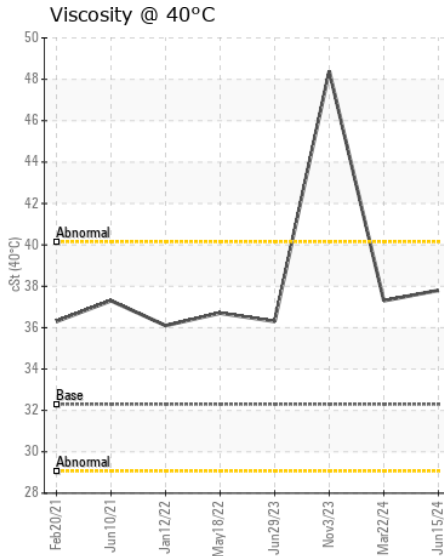
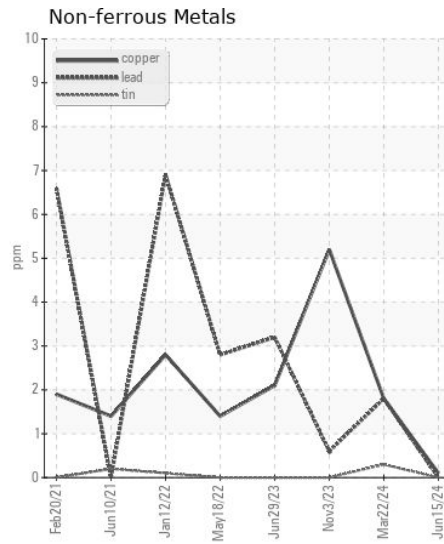
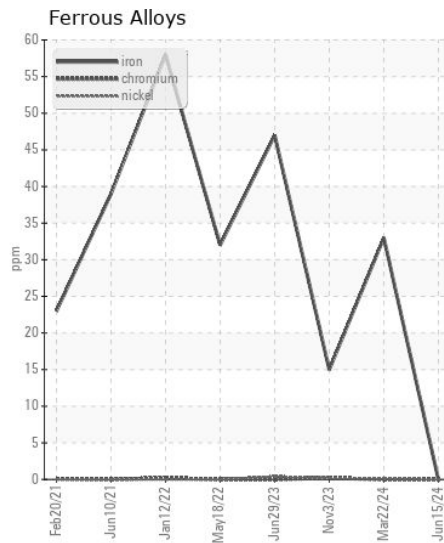
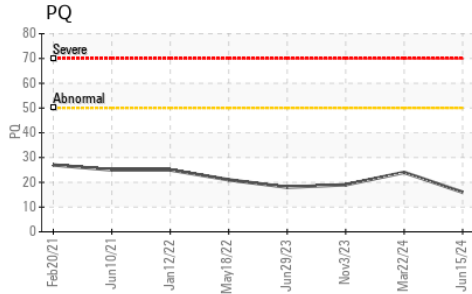
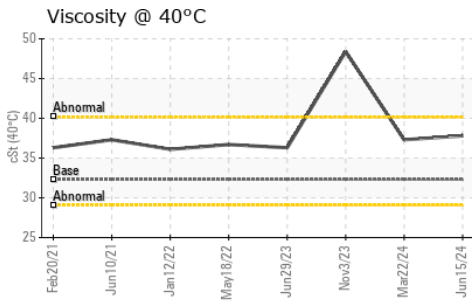
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0220483</b>	JR0205377	JR0189111
Sample Date		Client Info		<b>15 Jun 2024</b>	22 Mar 2024	03 Nov 2023
Machine Age	hrs	Client Info		<b>4496</b>	4216	4055
Oil Age	hrs	Client Info		<b>4335</b>	161	2607
Filter Age	hrs	Client Info		<b>0</b>	161	0
Oil Changed		Client Info		<b>Not Changed</b>	N/A	Changed
Filter Changed		Client Info		<b>Not Changed</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ATTENTION

PQ		ASTM D8184	>50	<b>16</b>	24	19
Iron	ppm	ASTM D5185m	>160	<b>0</b>	33	15
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185m	>50	<b>0</b>	2	<1
Copper	ppm	ASTM D5185m	>225	<b>&lt;1</b>	2	5
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	12
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	2	3
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>2</b>	3	3
Boron	ppm	ASTM D5185m	175	<b>129</b>	127	9
Barium	ppm	ASTM D5185m	5	<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m	5	<b>0</b>	0	4
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	5	<b>1</b>	2	91
Calcium	ppm	ASTM D5185m	125	<b>79</b>	87	2878
Phosphorus	ppm	ASTM D5185m	290	<b>272</b>	291	911
Zinc	ppm	ASTM D5185m	10	<b>13</b>	15	1090
Sulfur	ppm	ASTM D5185m	400	<b>332</b>	303	3325
Visc @ 40°C	cSt	ASTM D445	32.3	<b>37.8</b>	37.3	48.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0220483  
**Lab Number** : 06214949  
**Unique Number** : 11087813  
**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 19 Jun 2024  
**Tested** : 20 Jun 2024  
**Diagnosed** : 20 Jun 2024 - Wes Davis

**JRE - CHARLOTTE**  
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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)