



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



Machine Id  
**John Deere 300D II 1DW300DXVEE662204**  
Component  
**Transmission (Auto)**  
Fluid  
**JOHN DEERE HD SynTran (6 GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0216119</b>	LEC0009383	LECP184887
Sample Date		Client Info		<b>17 Jun 2024</b>	26 Nov 2019	04 May 2019
Machine Age	hrs	Client Info		<b>8471</b>	5290	4347
Oil Age	hrs	Client Info		<b>4347</b>	5290	649
Filter Age	hrs	Client Info		<b>0</b>	1000	649
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

The aluminum level is abnormal. All other component wear rates are normal.

PQ		ASTM D8184	>50	<b>34</b>	26	27
Iron	ppm	ASTM D5185m	>160	<b>104</b>	55	62
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>▲ 102</b>	▲ 61	▲ 70
Lead	ppm	ASTM D5185m	>50	<b>0</b>	3	0
Copper	ppm	ASTM D5185m	>225	<b>16</b>	18	20
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	4
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

### CONTAMINATION

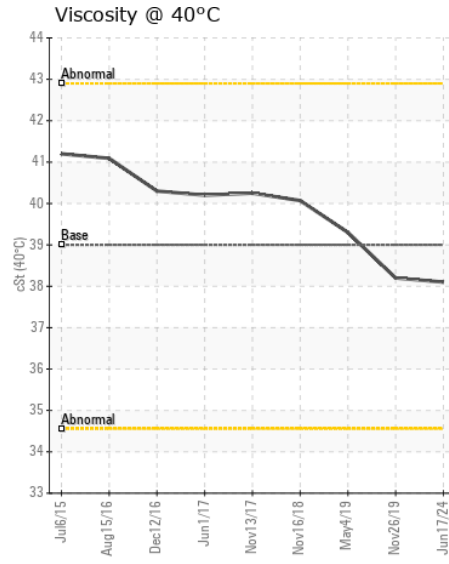
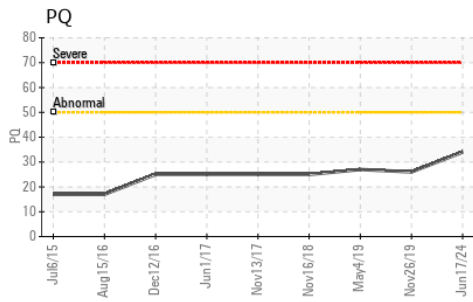
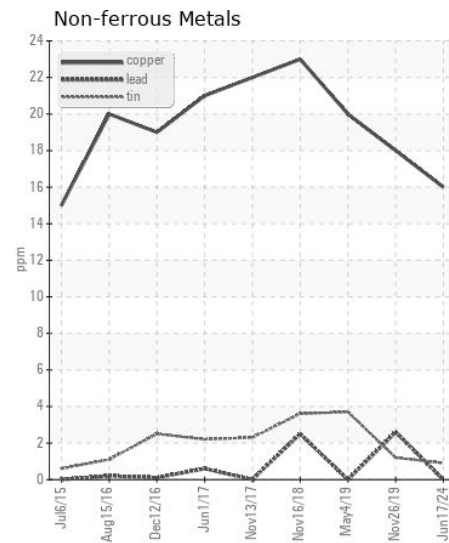
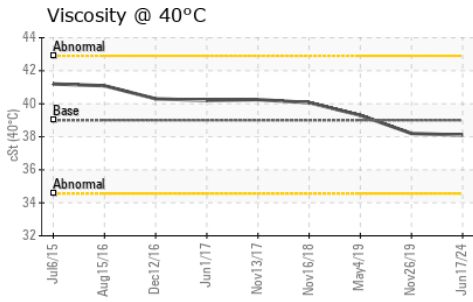
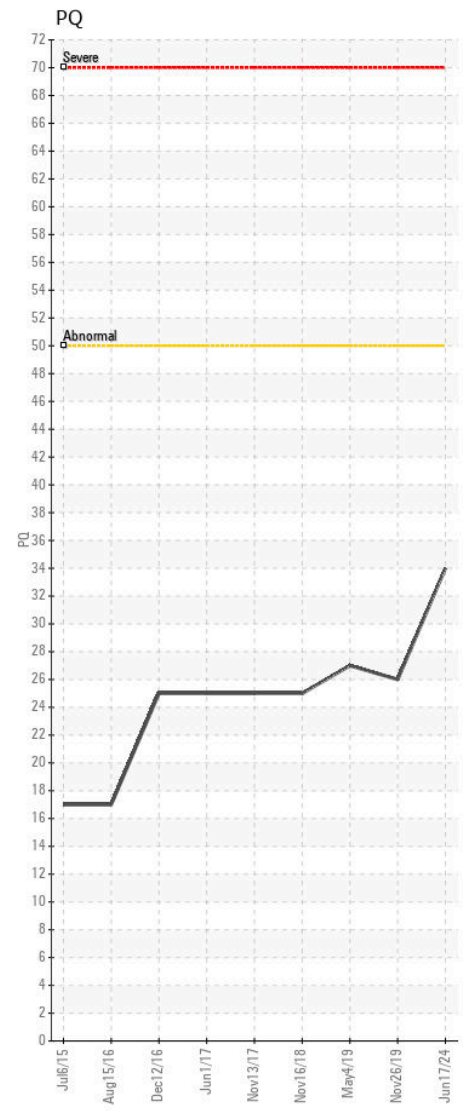
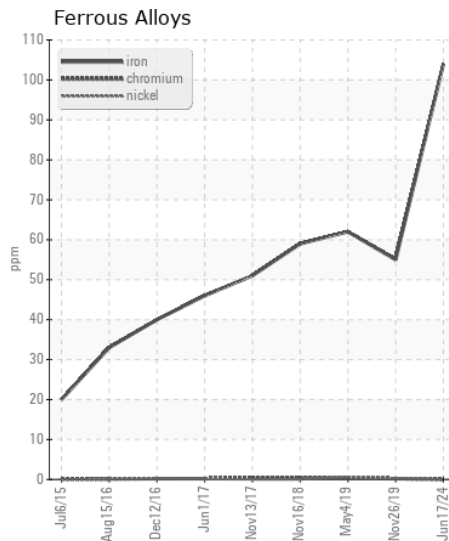
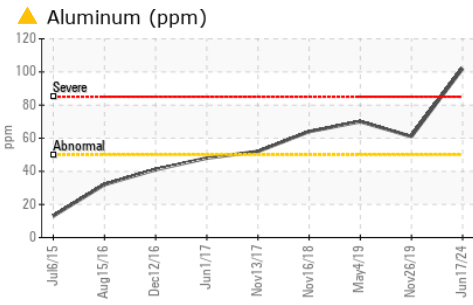
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>13</b>	11	10
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	4	0
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>	NONE	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

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>6</b>	2	4
Boron	ppm	ASTM D5185m	168	<b>98</b>	109	99
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>3</b>	3	3
Magnesium	ppm	ASTM D5185m		<b>2</b>	0	<1
Calcium	ppm	ASTM D5185m	33	<b>91</b>	38	35
Phosphorus	ppm	ASTM D5185m	330	<b>260</b>	261	250
Zinc	ppm	ASTM D5185m	0	<b>18</b>	8	8
Sulfur	ppm	ASTM D5185m	980	<b>700</b>	224	439
Visc @ 40°C	cSt	ASTM D445	39	<b>38.1</b>	38.2	39.3



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0216119 **Received** : 19 Jun 2024  
**Lab Number** : 06214951 **Tested** : 20 Jun 2024  
**Unique Number** : 11087815 **Diagnosed** : 21 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
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Certificate L2367  
 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)