



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



Area  
**[W50925]**  
Machine Id  
**JOHN DEERE 300D BE300DT201357**  
Component  
**Transmission (Auto)**  
Fluid  
**JOHN DEERE HD SynTran (--- GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: W50925 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0222546</b>	JR0130317	JR0034250
Sample Date		Client Info		<b>27 Jun 2024</b>	16 May 2022	21 Nov 2019
Machine Age	hrs	Client Info		<b>11829</b>	10825	9961
Oil Age	hrs	Client Info		<b>1004</b>	0	0
Filter Age	hrs	Client Info		<b>1004</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	N/A	Not Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL

### WEAR

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

PQ		ASTM D8184	>50	<b>51</b>	40	28
Iron	ppm	ASTM D5185m	>160	<b>▲ 183</b>	108	45
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>50	<b>23</b>	20	10
Lead	ppm	ASTM D5185m	>50	<b>10</b>	16	12
Copper	ppm	ASTM D5185m	>225	<b>181</b>	<b>▲ 288</b>	196
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

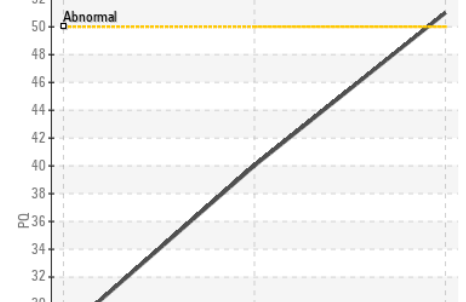
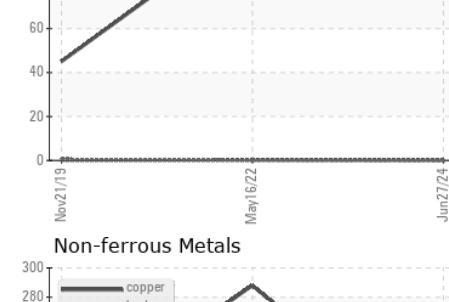
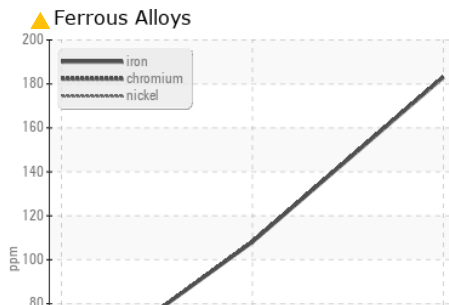
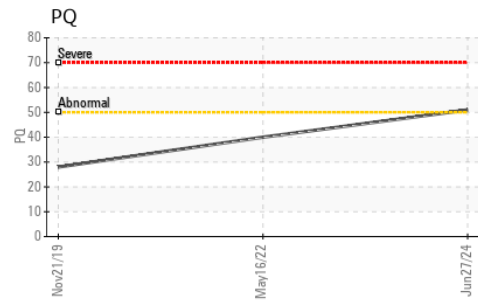
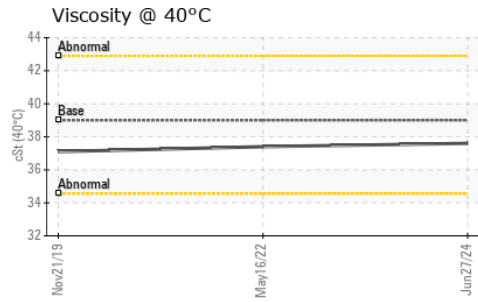
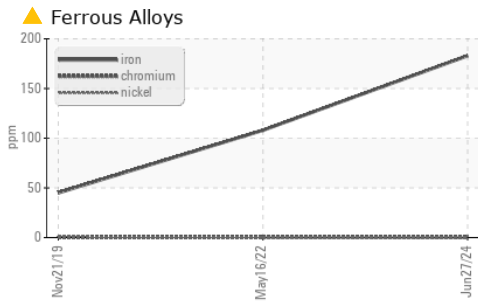
Moderate concentration of visible dirt/debris present in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>14</b>	14	5
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	4	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>▲ MODER</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>21</b>	23	19
Boron	ppm	ASTM D5185m	168	<b>66</b>	87	75
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>5</b>	<1	3
Manganese	ppm	ASTM D5185m		<b>2</b>	2	2
Magnesium	ppm	ASTM D5185m		<b>17</b>	12	10
Calcium	ppm	ASTM D5185m	33	<b>510</b>	821	710
Phosphorus	ppm	ASTM D5185m	330	<b>389</b>	505	390
Zinc	ppm	ASTM D5185m	0	<b>188</b>	306	231
Sulfur	ppm	ASTM D5185m	980	<b>1404</b>	1689	1480
Visc @ 40°C	cSt	ASTM D445	39	<b>37.6</b>	37.4	37.1



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0222546 **Received** : 01 Jul 2024  
**Lab Number** : 06225355 **Tested** : 02 Jul 2024  
**Unique Number** : 11103552 **Diagnosed** : 02 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - HOPE MILLS/FAYETTEVILLE**  
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 HOPE MILLS, NC  
 US 28348  
 Contact: FAYETTEVILLE SHOP  
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 T:  
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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)