



WEAR  
CONTAMINATION  
FLUID CONDITION

**ATTENTION**  
**NORMAL**  
**NORMAL**

Machine Id  
**JOHN DEERE 624 P 1DW624PAHNLZ15950**  
Component  
**Transmission (Manual)**  
Fluid  
**TDH FLUID SAE 75W80 (--- 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>JR0213174</b>	JR0204847	JR0121988
Sample Date		Client Info		<b>30 May 2024</b>	13 Mar 2024	01 Jan 2024
Machine Age	hrs	Client Info		<b>3531</b>	3047	2486
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL

### WEAR

An increase in the copper level is noted. All other component wear rates are normal.

PQ		ASTM D8184	>95	<b>24</b>	18	15
Iron	ppm	ASTM D5185m	>200	<b>45</b>	24	15
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	>7	<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	2	2
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>225	<b>127</b>	8	0
Tin	ppm	ASTM D5185m	>10	<b>2</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

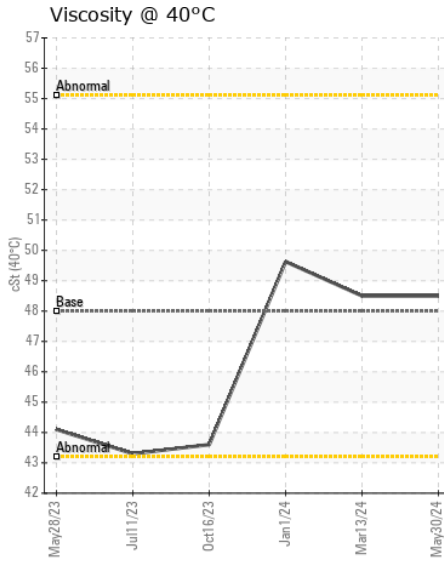
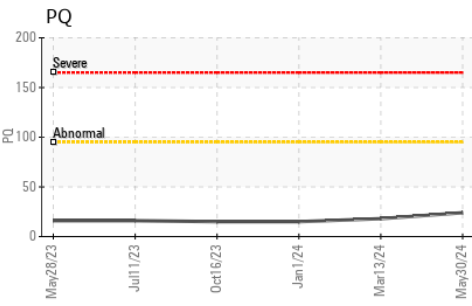
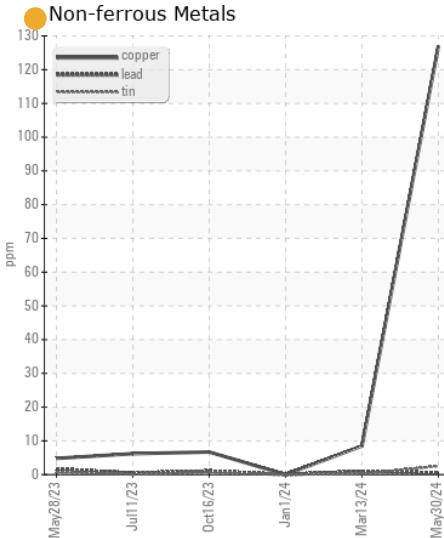
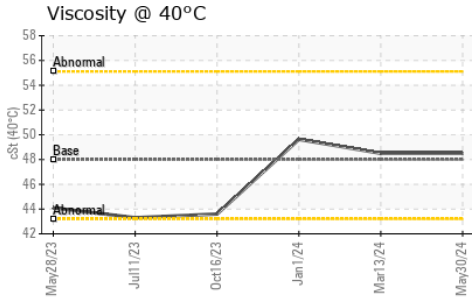
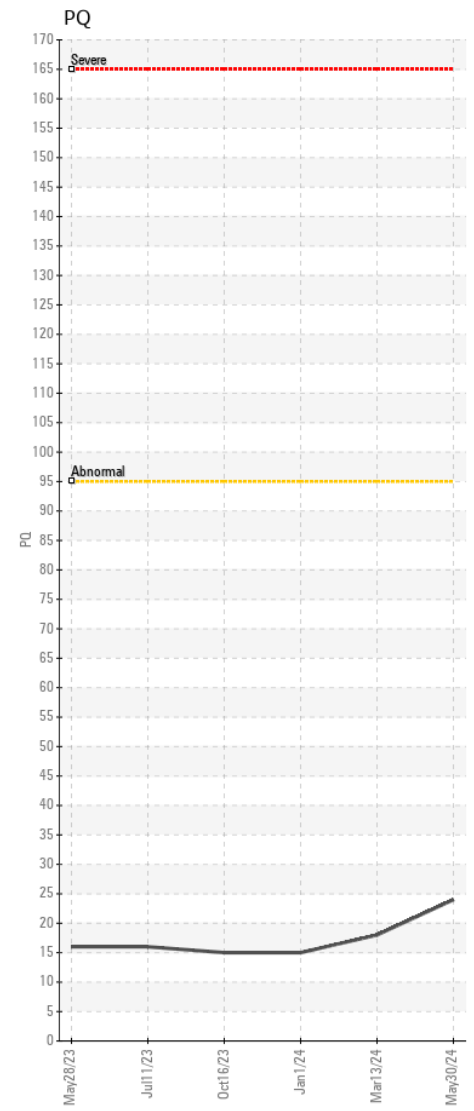
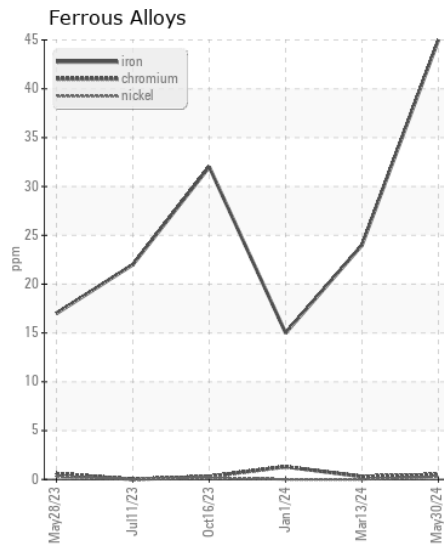
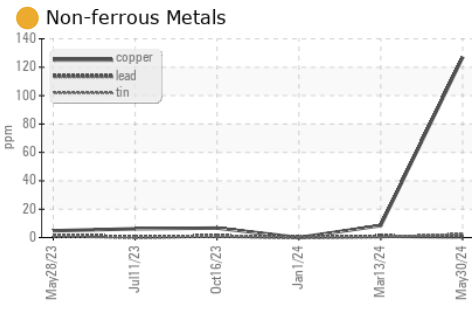
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>18</b>	13	8
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	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 suitable for further service.

Sodium	ppm	ASTM D5185m		<b>12</b>	7	<1
Boron	ppm	ASTM D5185m	10	<b>8</b>	3	2
Barium	ppm	ASTM D5185m	10	<b>2</b>	0	4
Molybdenum	ppm	ASTM D5185m	10	<b>8</b>	6	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	0
Magnesium	ppm	ASTM D5185m	100	<b>114</b>	101	103
Calcium	ppm	ASTM D5185m	3500	<b>3422</b>	3321	3484
Phosphorus	ppm	ASTM D5185m	1150	<b>1175</b>	995	1094
Zinc	ppm	ASTM D5185m	1150	<b>1319</b>	1212	1257
Sulfur	ppm	ASTM D5185m	5000	<b>4110</b>	3679	4274
Visc @ 40°C	cSt	ASTM D445	48	<b>48.5</b>	48.5	49.63



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0213174 **Received** : 31 May 2024  
**Lab Number** : 06196900 **Tested** : 03 Jun 2024  
**Unique Number** : 11059023 **Diagnosed** : 03 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GREENSBORO**  
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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)