



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

Machine Id  
**JOHN DEERE 524 P 1DW524PAPRLX21751**

Component  
**Rear Differential**  
Fluid  
**{not provided} (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0213361</b>	JR0194862	JR0205162
Sample Date		Client Info		<b>08 May 2024</b>	10 Mar 2024	18 Feb 2024
Machine Age	hrs	Client Info		<b>1026</b>	521	262
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>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>15</b>	15	110
Iron	ppm	ASTM D5185m	>500	<b>4</b>	7	111
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	2	2
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	10
Copper	ppm	ASTM D5185m	>100	<b>0</b>	<1	15
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

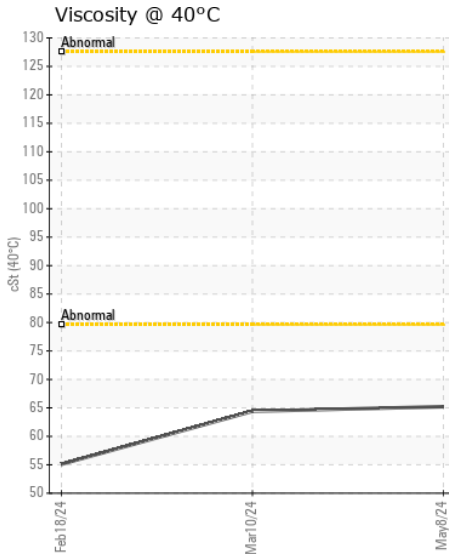
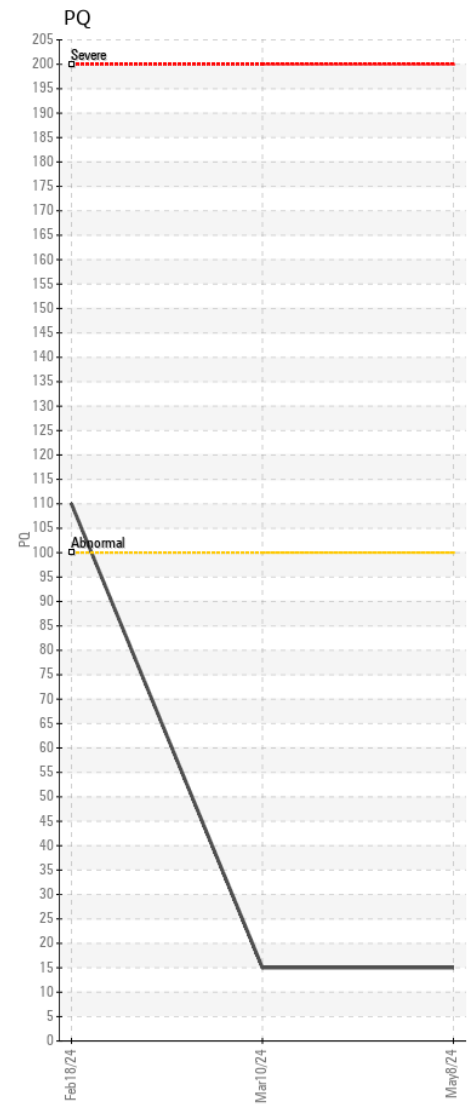
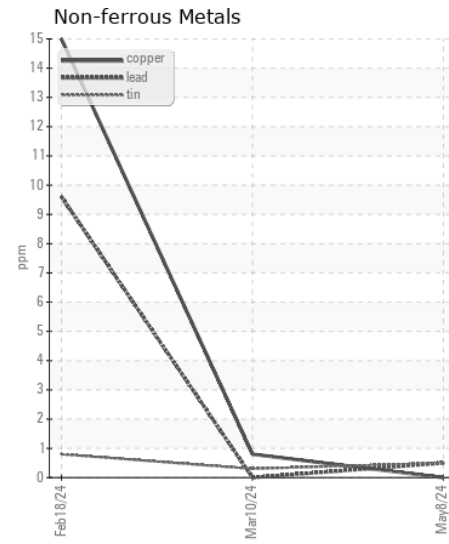
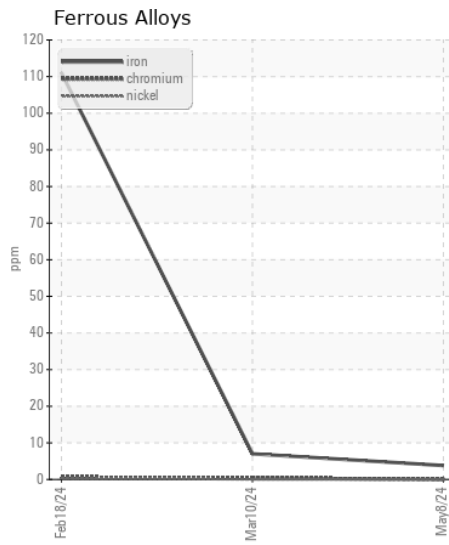
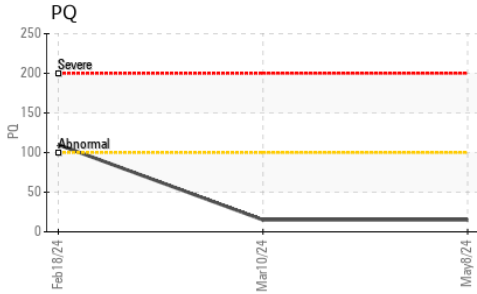
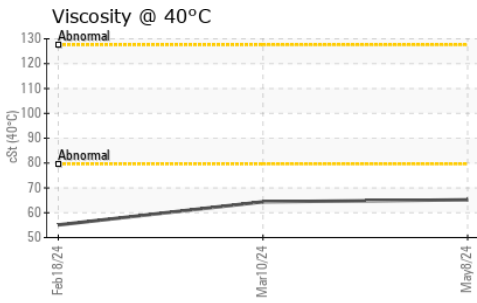
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>6</b>	7	17
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	2
Water		WC Method	>.2	<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	>.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>0</b>	0	0
Boron	ppm	ASTM D5185m		<b>58</b>	48	2
Barium	ppm	ASTM D5185m		<b>0</b>	0	13
Molybdenum	ppm	ASTM D5185m		<b>48</b>	38	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	14
Magnesium	ppm	ASTM D5185m		<b>250</b>	205	102
Calcium	ppm	ASTM D5185m		<b>3186</b>	3116	3475
Phosphorus	ppm	ASTM D5185m		<b>1083</b>	1083	1069
Zinc	ppm	ASTM D5185m		<b>1356</b>	1221	1267
Sulfur	ppm	ASTM D5185m		<b>4655</b>	4402	3939
Visc @ 40°C	cSt	ASTM D445		<b>65.2</b>	64.4	55.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0213361 **Received** : 09 May 2024  
**Lab Number** : 06174186 **Tested** : 10 May 2024  
**Unique Number** : 11020239 **Diagnosed** : 10 May 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

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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