



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

Area

**[05W46909]**

Machine Id

**JOHN DEERE 624 P 1DW624PATPLX19403**

Component

**Rear Axle**

Fluid

**JOHN DEERE HY-GARD HYD/TRANS (18 QTS)**

### 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>JR0217805</b>	---	---
Sample Date		Client Info		<b>29 May 2024</b>	---	---
Machine Age	hrs	Client Info		<b>472</b>	---	---
Oil Age	hrs	Client Info		<b>472</b>	---	---
Filter Age	hrs	Client Info		<b>472</b>	---	---
Oil Changed		Client Info		<b>Not Changd</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

### WEAR

Bearing and/or bushing wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>25</b>	---	---
Iron	ppm	ASTM D5185m	>750	<b>102</b>	---	---
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m	>21	<b>1</b>	---	---
Lead	ppm	ASTM D5185m	>49	<b>▲ 65</b>	---	---
Copper	ppm	ASTM D5185m	>101	<b>▲ 103</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>2</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

### CONTAMINATION

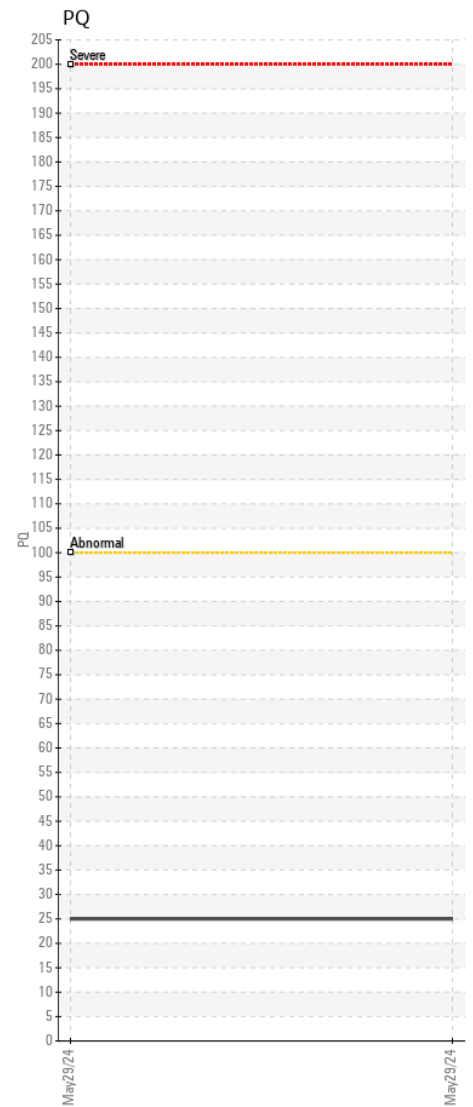
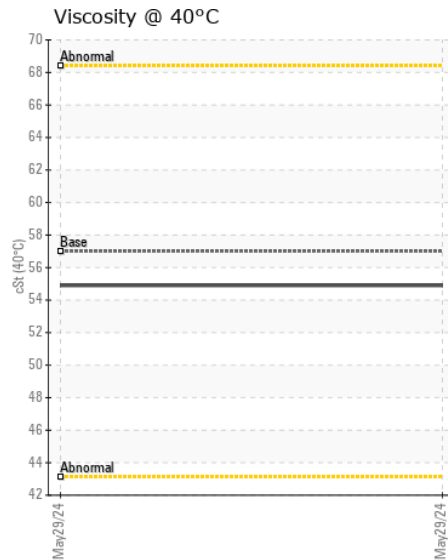
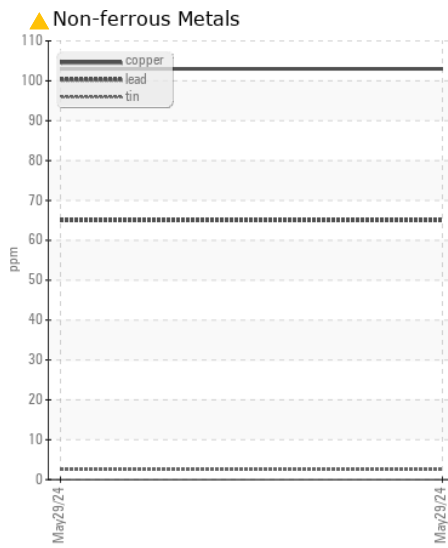
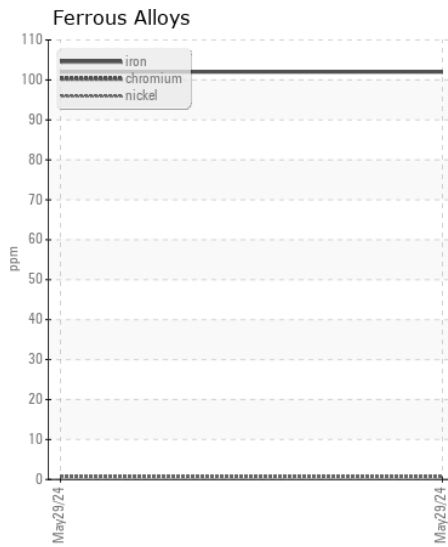
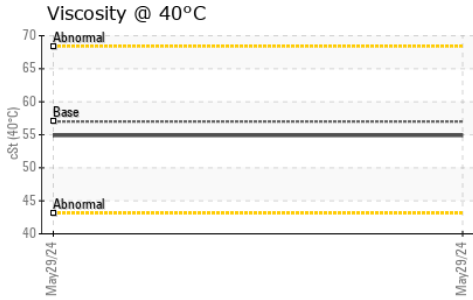
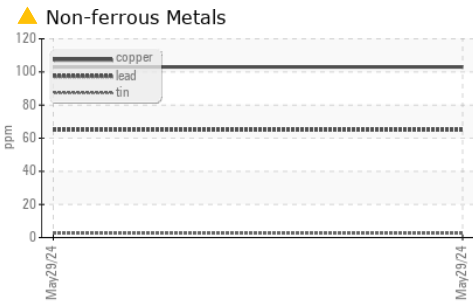
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>31	<b>7</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	---	---

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>51	<b>3</b>	---	---
Boron	ppm	ASTM D5185m	6	<b>4</b>	---	---
Barium	ppm	ASTM D5185m	0	<b>6</b>	---	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	---	---
Manganese	ppm	ASTM D5185m		<b>4</b>	---	---
Magnesium	ppm	ASTM D5185m	145	<b>95</b>	---	---
Calcium	ppm	ASTM D5185m	3570	<b>3524</b>	---	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1176</b>	---	---
Zinc	ppm	ASTM D5185m	1640	<b>1242</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>5075</b>	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>54.9</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : JR0217805

**Lab Number** : 06196934

**Unique Number** : 11059057

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 31 May 2024

**Tested** : 03 Jun 2024

**Diagnosed** : 03 Jun 2024 - Sean Felton

**JRE - MANASSAS PARK**

9107 OWENS DRIVE

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US 20111

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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)