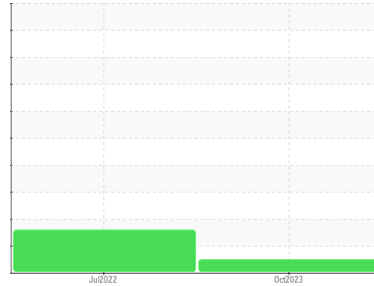


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**


Machine Id  
**JOHN DEERE 624L 1DW624LZALF704980**  
 Component  
**Rear Differential**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

**DIAGNOSIS**
**Recommendation**

Resample at the next service interval to monitor.

**Wear**

All component wear rates are normal.

**Contamination**

There is no indication of any contamination in the oil.

**Fluid Condition**

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

**SAMPLE INFORMATION**

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>JR0180822</b>	JR0125832	---
Sample Date	Client Info		<b>12 Oct 2023</b>	21 Jul 2022	---
Machine Age	hrs	Client Info	<b>9500</b>	7510	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	ABNORMAL	---

**WEAR METALS**

	method	limit/base	current	history1	history2
PQ	ASTM D8184		<b>16</b>	27	---
Iron	ppm	ASTM D5185m >500	<b>49</b>	108	---
Chromium	ppm	ASTM D5185m >10	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m >10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m >25	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185m >25	<b>28</b>	▲ 43	---
Copper	ppm	ASTM D5185m >100	<b>23</b>	▲ 89	---
Tin	ppm	ASTM D5185m >10	<b>2</b>	6	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 6	<b>2</b>	5	---
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m	<b>1</b>	1	---
Magnesium	ppm	ASTM D5185m 145	<b>95</b>	97	---
Calcium	ppm	ASTM D5185m 3570	<b>3011</b>	3473	---
Phosphorus	ppm	ASTM D5185m 1290	<b>913</b>	1014	---
Zinc	ppm	ASTM D5185m 1640	<b>1056</b>	1206	---
Sulfur	ppm	ASTM D5185m	<b>3075</b>	4060	---

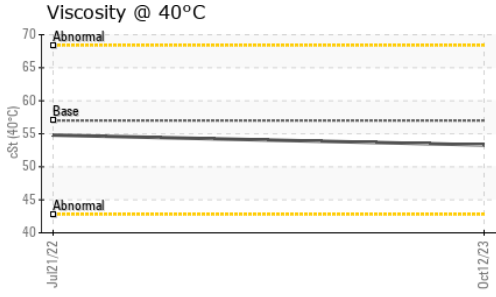
**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>4</b>	5	---
Sodium	ppm	ASTM D5185m	<b>4</b>	1	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	0	---

**VISUAL**

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual >.2	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual	<b>NEG</b>	NEG	---

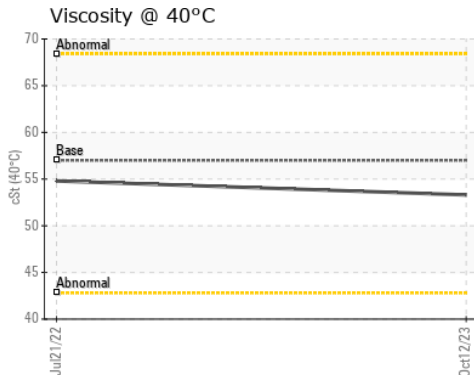
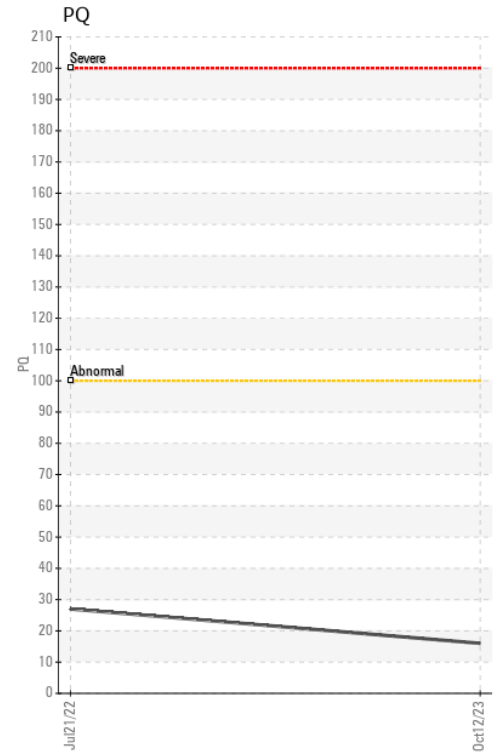
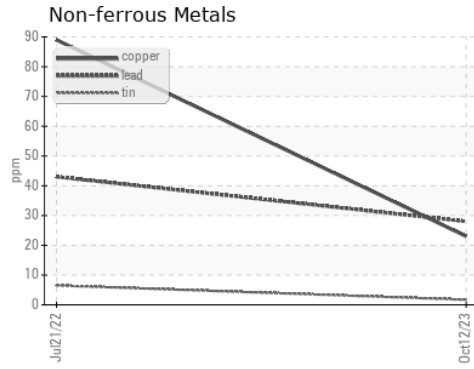
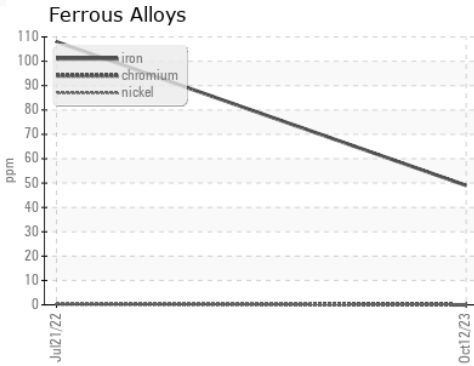
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.0	<b>53.3</b>	54.8	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0180822 **Received** : 17 Oct 2023  
**Lab Number** : 05981393 **Diagnosed** : 19 Oct 2023  
**Unique Number** : 10698688 **Diagnostician** : Don Baldrige  
**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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