

# PROBLEM SUMMARY

Sample Rating Trend

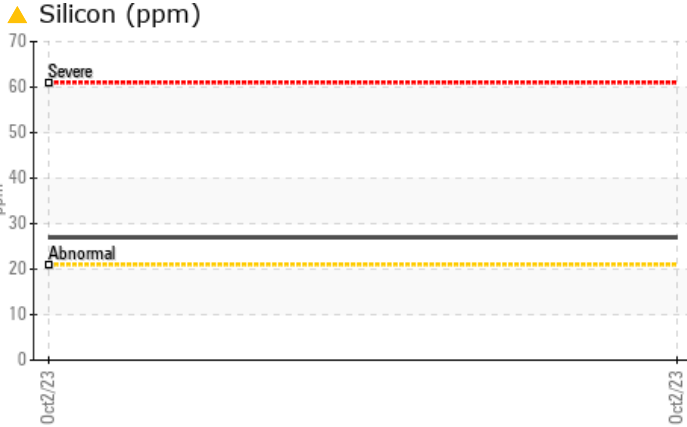


**DIRT**



Machine Id  
**JOHN DEERE 624 P 1DW624PACPLX19397**  
Component  
**Transmission**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

## COMPONENT CONDITION SUMMARY



## RECOMMENDATION

No corrective action is recommended at this time.  
Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	---	---
Silicon	ppm	ASTM D5185m	>21	▲ 27	---	---

**Customer Id:** JAMASH  
**Sample No.:** JR0179323  
**Lab Number:** 05969118  
**Test Package:** CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Jonathan Hester +1 919-379-4092 x4092  
[jhester@wearcheckusa.com](mailto:jhester@wearcheckusa.com)

To change component or sample information:  
Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

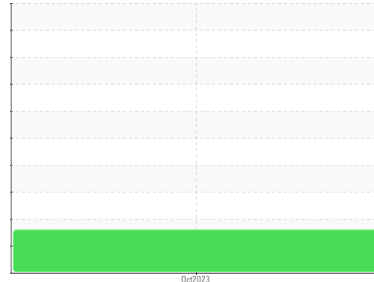
## HISTORICAL DIAGNOSIS

# OIL ANALYSIS REPORT

Sample Rating Trend

**DIRT**

Machine Id  
**JOHN DEERE 624 P 1DW624PACPLX19397**  
 Component  
**Transmission**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**



## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### ▲ Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>JR0179323</b>	---	---
Sample Date	Client Info		<b>02 Oct 2023</b>	---	---
Machine Age	hrs	Client Info	<b>456</b>	---	---
Oil Age	hrs	Client Info	<b>456</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184	>100	<b>13</b>	---	---
Iron	ppm	ASTM D5185m	>61	<b>11</b>	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---
Nickel	ppm	ASTM D5185m		<b>0</b>	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---
Silver	ppm	ASTM D5185m		<b>0</b>	---
Aluminum	ppm	ASTM D5185m	>20	<b>0</b>	---
Lead	ppm	ASTM D5185m	>9	<b>&lt;1</b>	---
Copper	ppm	ASTM D5185m	>100	<b>4</b>	---
Tin	ppm	ASTM D5185m	>3	<b>&lt;1</b>	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	<b>2</b>	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	---
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---
Magnesium	ppm	ASTM D5185m	145	<b>92</b>	---
Calcium	ppm	ASTM D5185m	3570	<b>3195</b>	---
Phosphorus	ppm	ASTM D5185m	1290	<b>982</b>	---
Zinc	ppm	ASTM D5185m	1640	<b>1201</b>	---
Sulfur	ppm	ASTM D5185m		<b>3436</b>	---

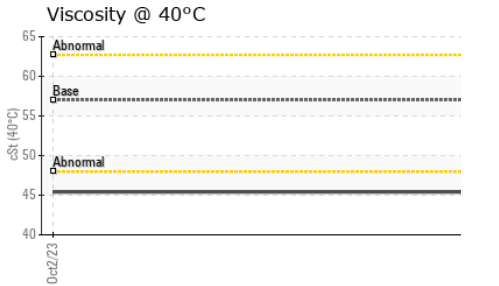
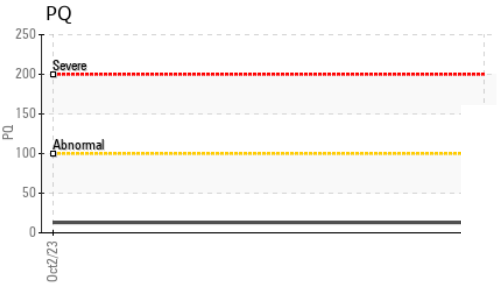
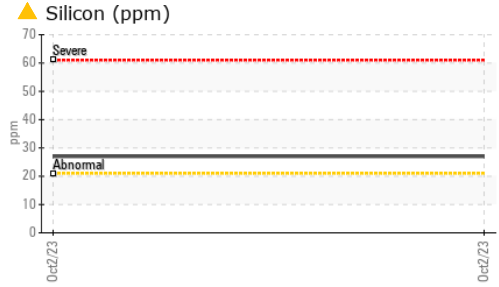
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>21	<b>▲ 27</b>	---
Sodium	ppm	ASTM D5185m	>30	<b>30</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---
Debris	scalar	*Visual	NONE	<b>LIGHT</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	>0.075	<b>NEG</b>	---
Free Water	scalar	*Visual		<b>NEG</b>	---

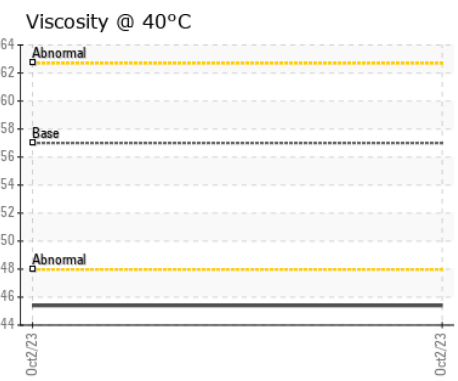
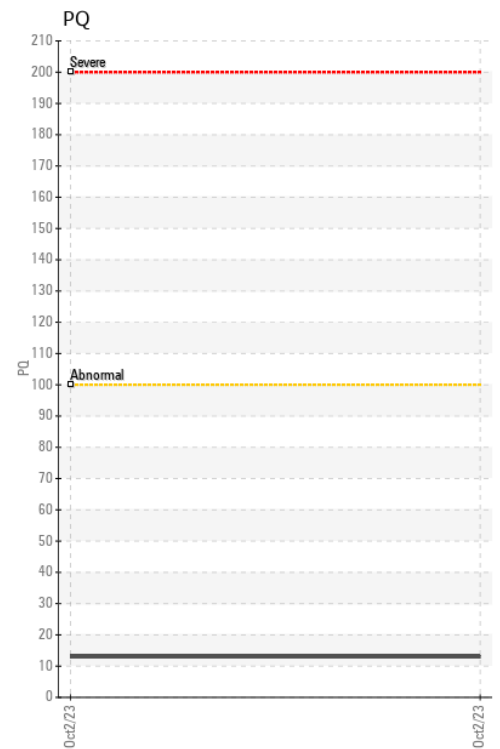
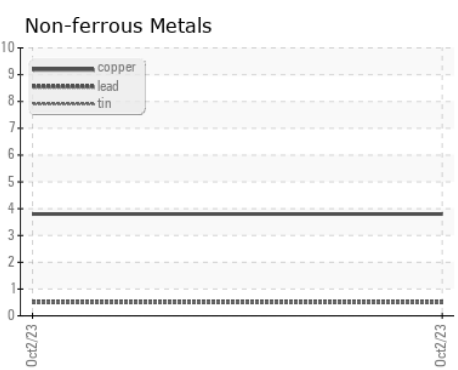
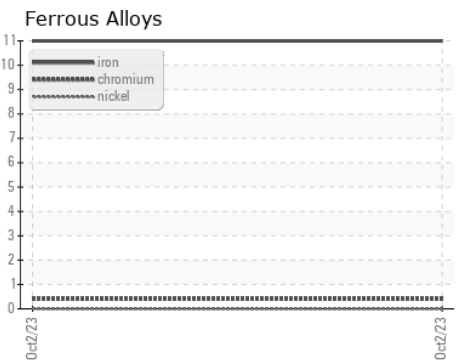
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.0	<b>45.4</b>	---	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0179323      **Received** : 04 Oct 2023  
**Lab Number** : **05969118**      **Diagnosed** : 06 Oct 2023  
**Unique Number** : 10675669      **Diagnostician** : Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

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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)