

# PROBLEM SUMMARY

Sample Rating Trend



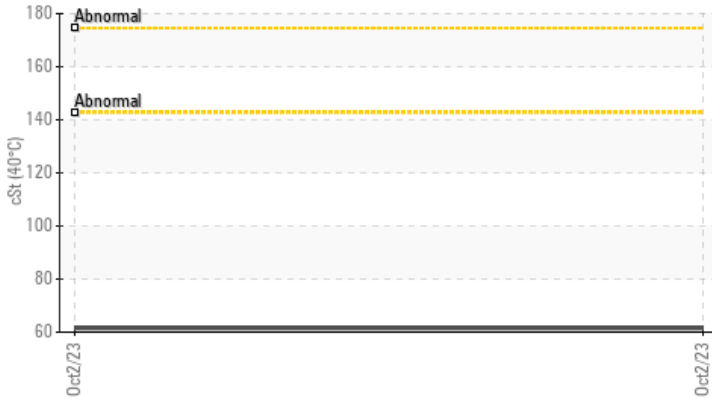
**VISCOSITY**



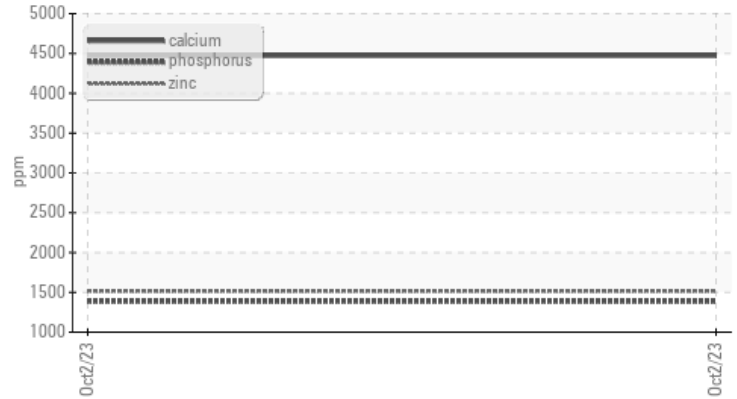
Machine Id  
**JOHN DEERE 210G 1FF210GXJNF530397**  
Component  
**Pump Drive**  
Fluid  
**JOHN DEERE GL-5 80W90 (--- GAL)**

## COMPONENT CONDITION SUMMARY

### ▲ Viscosity @ 40°C



### ▲ Additives



## RECOMMENDATION

Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	---	---
Molybdenum	ppm	ASTM D5185m	▲ 111	---	---
Calcium	ppm	ASTM D5185m	▲ 4472	---	---
Phosphorus	ppm	ASTM D5185m	▲ 1387	---	---
Zinc	ppm	ASTM D5185m	▲ 1516	---	---
Sulfur	ppm	ASTM D5185m	▲ 8989	---	---
Visc @ 40°C	cSt	ASTM D445	▲ 61.5	---	---

Customer Id: JAMASH  
Sample No.: JR0179355  
Lab Number: 05969198  
Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

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

## RECOMMENDED ACTIONS

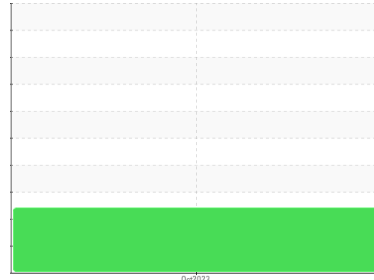
*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

# OIL ANALYSIS REPORT

Sample Rating Trend

**VISCOSITY**

 Machine Id  
**JOHN DEERE 210G 1FF210GXJNF530397**  
 Component  
**Pump Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (--- 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 oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

**SAMPLE INFORMATION**

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>JR0179355</b>	---	---
Sample Date	Client Info		<b>02 Oct 2023</b>	---	---
Machine Age	hrs	Client Info	<b>1024</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>ATTENTION</b>	---	---

**WEAR METALS**

	method	limit/base	current	history1	history2
PQ	ASTM D8184		<b>14</b>	---	---
Iron	ppm	ASTM D5185m >151	<b>47</b>	---	---
Chromium	ppm	ASTM D5185m >11	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m >10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m >21	<b>5</b>	---	---
Lead	ppm	ASTM D5185m >51	<b>0</b>	---	---
Copper	ppm	ASTM D5185m >51	<b>1</b>	---	---
Tin	ppm	ASTM D5185m >4	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	---	---

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>69</b>	---	---
Barium	ppm	ASTM D5185m	<b>2</b>	---	---
Molybdenum	ppm	ASTM D5185m	<b>▲ 111</b>	---	---
Manganese	ppm	ASTM D5185m	<b>3</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>20</b>	---	---
Calcium	ppm	ASTM D5185m	<b>▲ 4472</b>	---	---
Phosphorus	ppm	ASTM D5185m	<b>▲ 1387</b>	---	---
Zinc	ppm	ASTM D5185m	<b>▲ 1516</b>	---	---
Sulfur	ppm	ASTM D5185m	<b>▲ 8989</b>	---	---

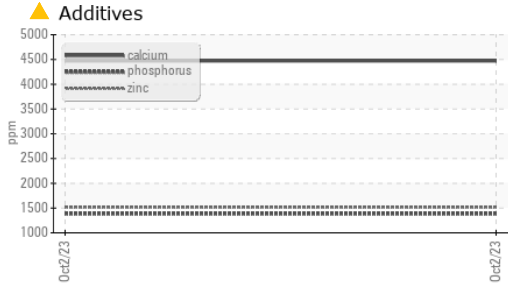
**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >31	<b>12</b>	---	---
Sodium	ppm	ASTM D5185m >51	<b>6</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>2</b>	---	---

**VISUAL**

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

# OIL ANALYSIS REPORT

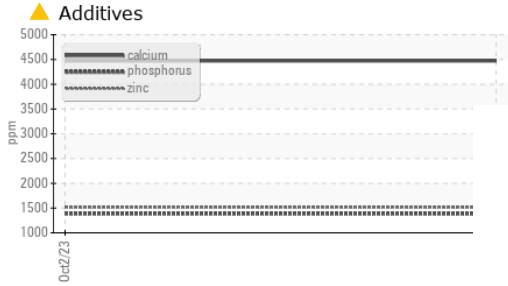


FLUID PROPERTIES	method	limit/base	current	history1	history2
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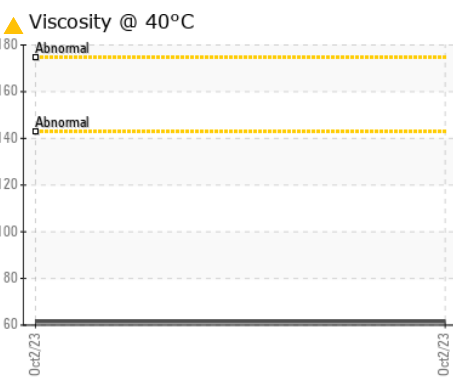
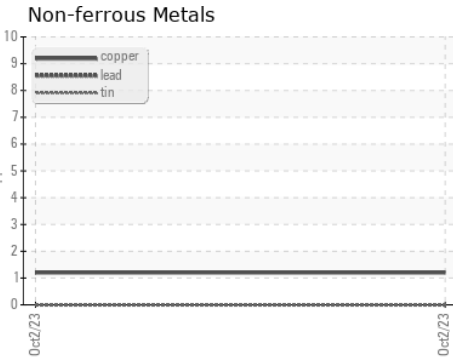
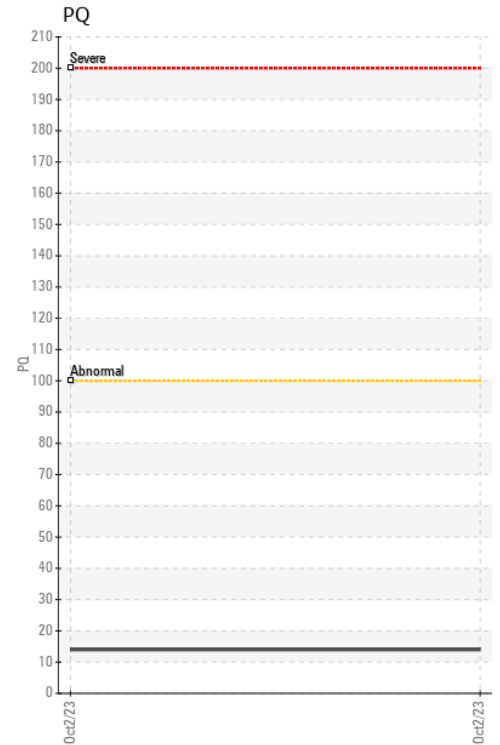
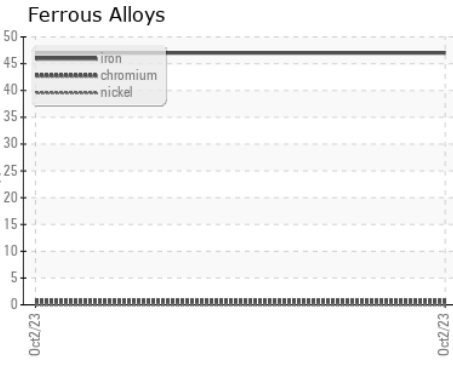
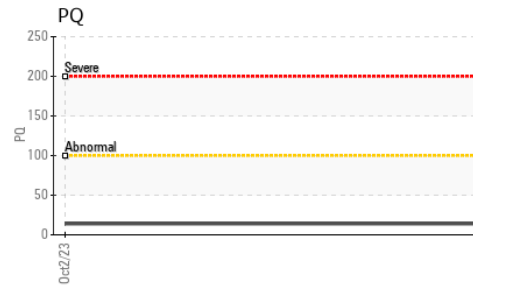
Visc @ 40°C	cSt	ASTM D445	▲ 61.5	---	---
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color	no image	no image	no image
Bottom	no image	no image	no image



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0179355      **Received** : 04 Oct 2023  
**Lab Number** : 05969198      **Diagnosed** : 06 Oct 2023  
**Unique Number** : 10675749      **Diagnostician** : Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - ASHLAND**  
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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)