



# OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area

**RICHARD TODD**

Machine Id

**JOHN DEERE 9400 665322**

Component

**Transmission**

Fluid

{not provided} (--- QTS)

## DIAGNOSIS

### Recommendation

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

### Wear

Gear wear is indicated.

### Contamination

There is no indication of any contamination in the fluid.

### 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>WC06182070</b>	---	---
Sample Date	Client Info		<b>22 Apr 2024</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.075	<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184	>100	<b>26</b>	---	---
Iron	ppm	ASTM D5185m	>61	<b>▲ 63</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>2</b>	---
Aluminum	ppm	ASTM D5185m	>20	<b>5</b>	---
Lead	ppm	ASTM D5185m	>9	<b>13</b>	---
Copper	ppm	ASTM D5185m	>100	<b>45</b>	---
Tin	ppm	ASTM D5185m	>3	<b>&lt;1</b>	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---
Cadmium	ppm	ASTM D5185m		<b>2</b>	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>7</b>	---
Barium	ppm	ASTM D5185m		<b>0</b>	---
Molybdenum	ppm	ASTM D5185m		<b>5</b>	---
Manganese	ppm	ASTM D5185m		<b>2</b>	---
Magnesium	ppm	ASTM D5185m		<b>115</b>	---
Calcium	ppm	ASTM D5185m		<b>2134</b>	---
Phosphorus	ppm	ASTM D5185m		<b>947</b>	---
Zinc	ppm	ASTM D5185m		<b>991</b>	---
Sulfur	ppm	ASTM D5185m		<b>5916</b>	---

## CONTAMINANTS

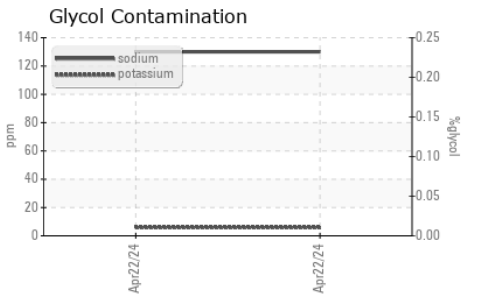
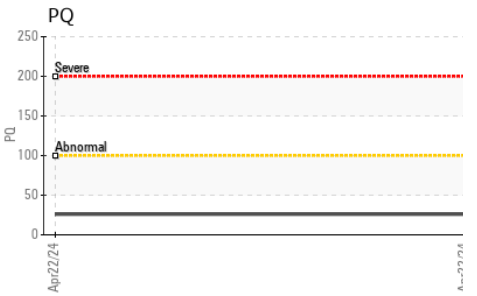
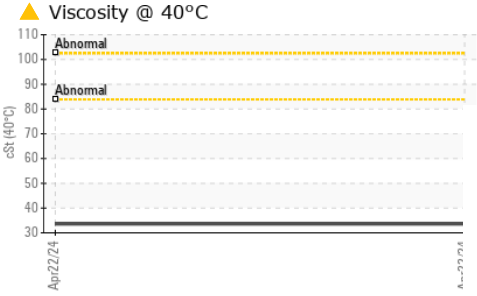
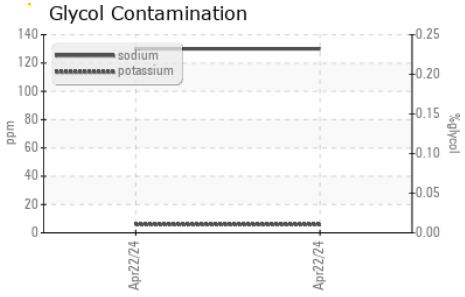
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>21	<b>12</b>	---
Sodium	ppm	ASTM D5185m	>30	<b>130</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	---

## 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>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	>0.075	<b>NEG</b>	---
Free Water	scalar	*Visual		<b>NEG</b>	---



# OIL ANALYSIS REPORT

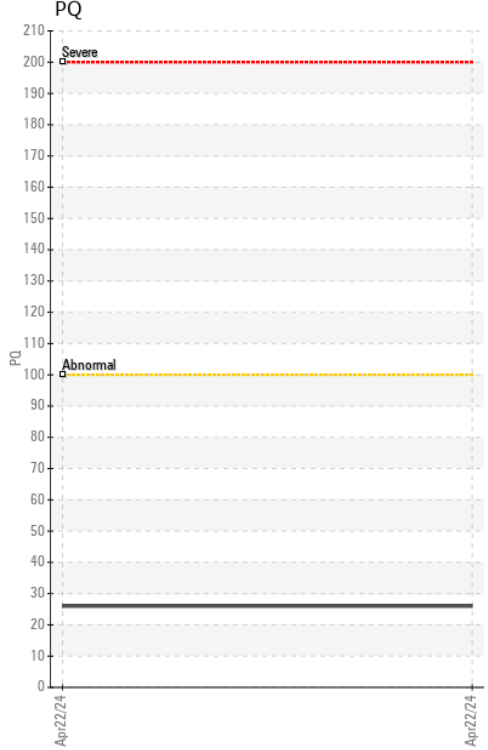
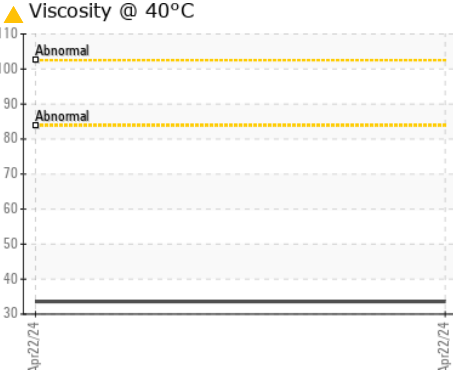
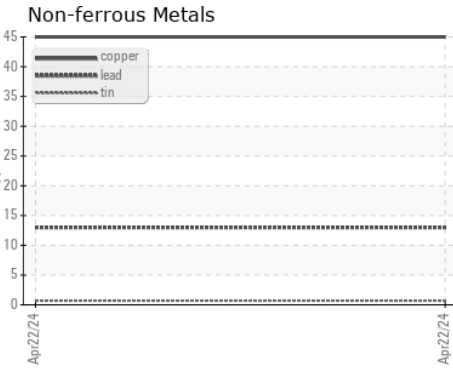
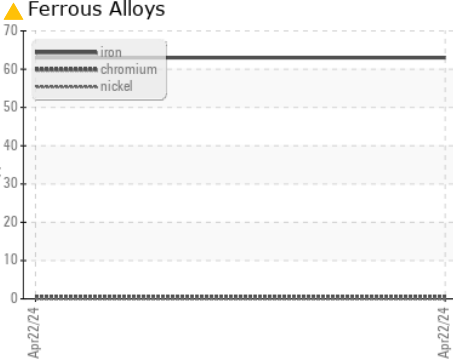


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	▲ 33.6	---	---

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



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC06182070      **Received** : 16 May 2024  
**Lab Number** : 06182070      **Tested** : 21 May 2024  
**Unique Number** : 11033396      **Diagnosed** : 21 May 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: Glycol, PQ )

**QUALITY EQUIPMENT LLC**  
 2783 HWY 70 BUS E  
 SMITHFIELD, NC  
 US 27577  
 Contact: COY STANLEY  
 cstanley@qualityequip.com  
 T: (919)934-2701  
 F:

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)