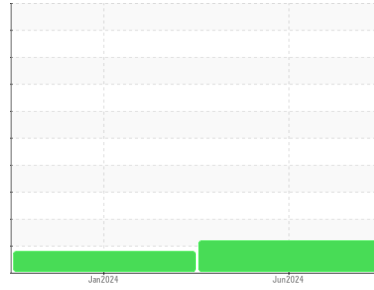


# OIL ANALYSIS REPORT

## Sample Rating Trend



**WEAR**



Machine Id

**730**

Component

**Rear Differential**

Fluid

**JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (--- GAL)**

### DIAGNOSIS

#### ▲ Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### ▲ Wear

Bearing and/or bushing wear is indicated. All other component wear rates are normal.

#### ▲ Contamination

Moderate concentration of visible dirt/debris present 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>PCA0118042</b>	PCA0096406	---
Sample Date	Client Info			<b>19 Jun 2024</b>	31 Jan 2024	---
Machine Age	hrs	Client Info		<b>15516</b>	14042	---
Oil Age	hrs	Client Info		<b>700</b>	500	---
Oil Changed	Client Info			<b>Changed</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	ABNORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>.2	<b>NEG</b>	NEG	---

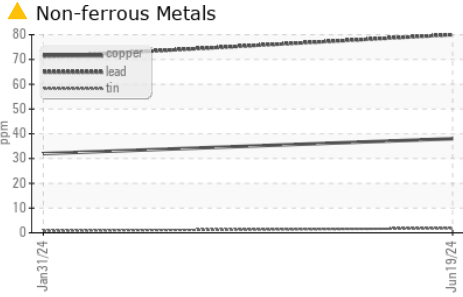
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>73</b>	70	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	1	---
Lead	ppm	ASTM D5185m	>25	<b>▲ 80</b>	<b>▲ 71</b>	---
Copper	ppm	ASTM D5185m	>100	<b>38</b>	32	---
Tin	ppm	ASTM D5185m	>10	<b>2</b>	<1	---
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		<b>7</b>	5	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Manganese	ppm	ASTM D5185m		<b>1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>83</b>	80	---
Calcium	ppm	ASTM D5185m		<b>2440</b>	2476	---
Phosphorus	ppm	ASTM D5185m		<b>1029</b>	1034	---
Zinc	ppm	ASTM D5185m		<b>1085</b>	1035	---
Sulfur	ppm	ASTM D5185m		<b>3903</b>	3687	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>5</b>	4	---
Sodium	ppm	ASTM D5185m		<b>3</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	---

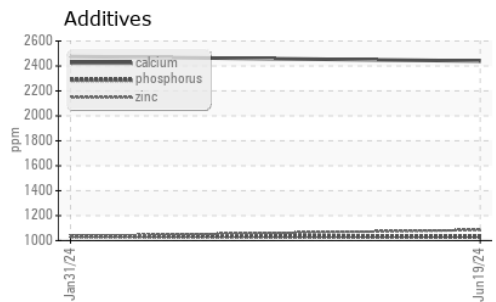
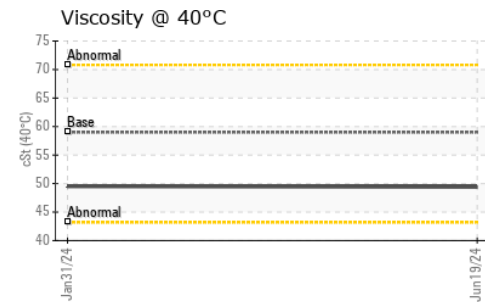
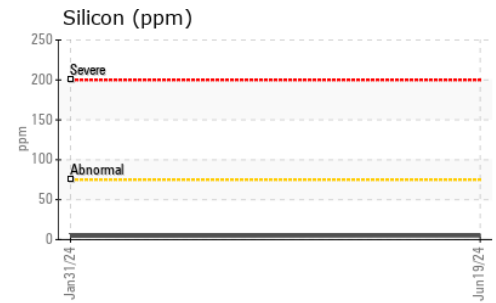
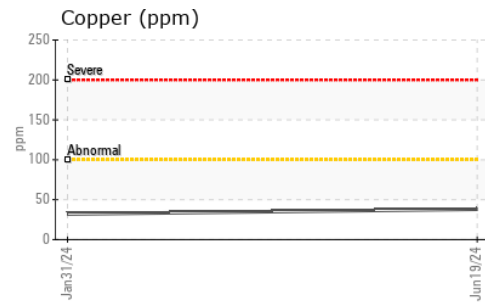
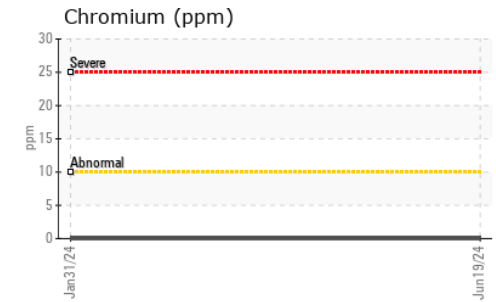
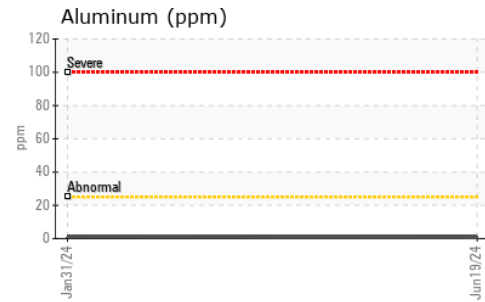
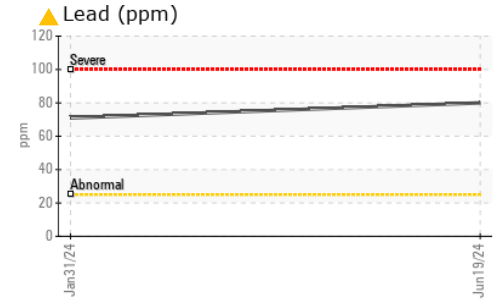
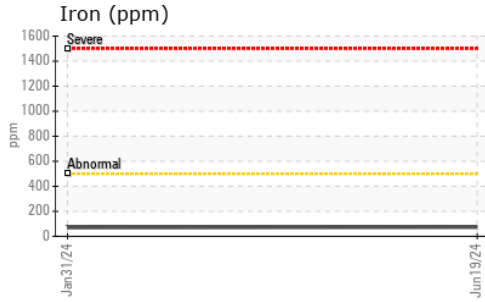
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	---
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



SAMPLE IMAGES	method	limit/base	current	history1	history2
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.** : PCA0118042      **Received** : 24 Jun 2024  
**Lab Number** : 06218944      **Tested** : 25 Jun 2024  
**Unique Number** : 11097141      **Diagnosed** : 26 Jun 2024 - Sean Felton  
**Test Package** : MOB 1

**CENTRAL VALLEY AG**  
 5707 LANGWORTH  
 OAKDALE, CA  
 US 95361  
 Contact: LAB TECH  
 m-labtech@outlook.com

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)

T:  
F: