

# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**JOHN DEERE 624K 489**  
 Component  
**Front Differential**  
 Fluid  
**NOT GIVEN (6 GAL)**

## DIAGNOSIS

### Recommendation

Oil and filter change at the time of sampling has been noted. 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>PCA0105098</b>	---	---
Sample Date	Client Info	<b>13 Oct 2023</b>	---	---
Machine Age	hrs	Client Info	<b>129480</b>	---
Oil Age	hrs	Client Info	<b>1500</b>	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>219</b>	---
Chromium	ppm	ASTM D5185m >10	<b>1</b>	---
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	---
Titanium	ppm	ASTM D5185m	<b>4</b>	---
Silver	ppm	ASTM D5185m	<b>0</b>	---
Aluminum	ppm	ASTM D5185m >25	<b>10</b>	---
Lead	ppm	ASTM D5185m >25	<b>2</b>	---
Copper	ppm	ASTM D5185m >100	<b>13</b>	---
Tin	ppm	ASTM D5185m >10	<b>2</b>	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>82</b>	---
Barium	ppm	ASTM D5185m	<b>0</b>	---
Molybdenum	ppm	ASTM D5185m	<b>8</b>	---
Manganese	ppm	ASTM D5185m	<b>5</b>	---
Magnesium	ppm	ASTM D5185m	<b>137</b>	---
Calcium	ppm	ASTM D5185m	<b>2966</b>	---
Phosphorus	ppm	ASTM D5185m	<b>944</b>	---
Zinc	ppm	ASTM D5185m	<b>1237</b>	---
Sulfur	ppm	ASTM D5185m	<b>2987</b>	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>58</b>	---
Sodium	ppm	ASTM D5185m	<b>7</b>	---
Potassium	ppm	ASTM D5185m >20	<b>6</b>	---

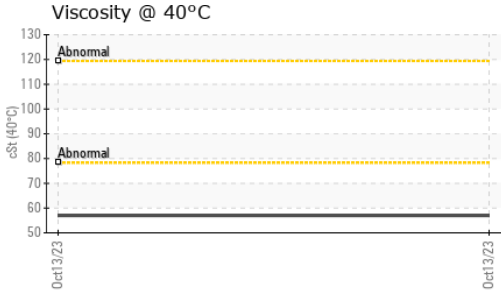
## VISUAL

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 >.2	<b>NEG</b>	---
Free Water	scalar	*Visual	<b>NEG</b>	---

## FLUID PROPERTIES

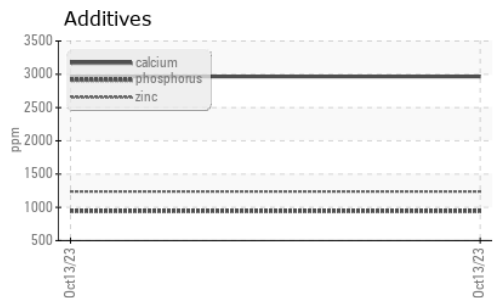
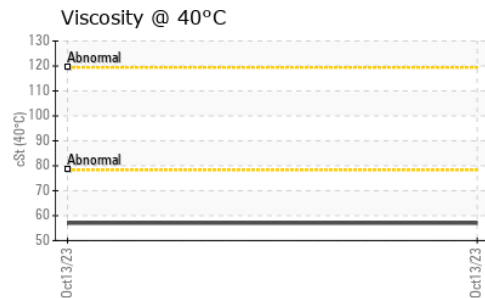
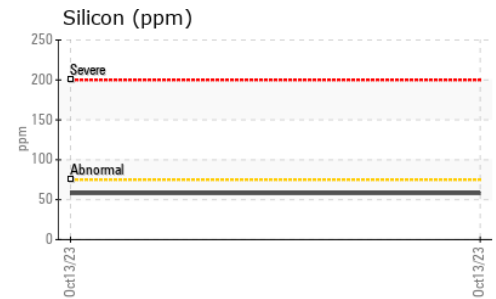
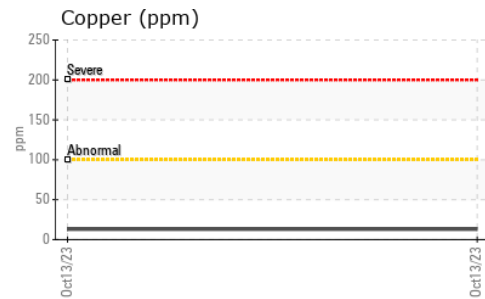
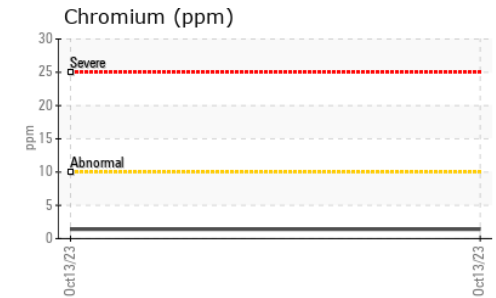
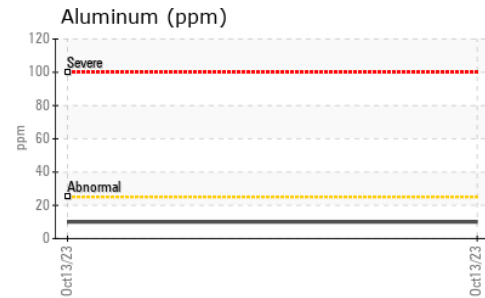
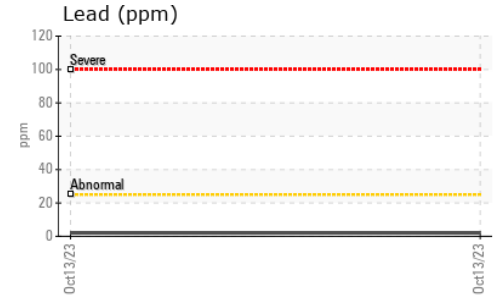
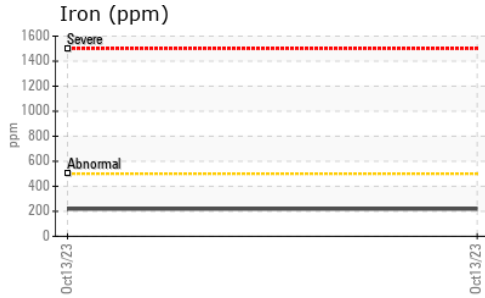
method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>57.0</b>	---

# 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.** : PCA0105098 **Received** : 20 Oct 2023  
**Lab Number** : 05985888 **Diagnosed** : 24 Oct 2023  
**Unique Number** : 10708550 **Diagnostician** : Angela Borella  
**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: