

# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**Oakdale**  
Machine Id  
**JOHN DEERE 524K 1DW524KZCJF686939**  
Component  
**Front Differential**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (4 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 condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0096414</b>	---	---
Sample Date	Client Info	<b>05 Oct 2023</b>	---	---
Machine Age	hrs Client Info	<b>7876</b>	---	---
Oil Age	hrs Client Info	<b>2000</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >500	<b>163</b>	---	---
Chromium ppm	ASTM D5185m >10	<b>0</b>	---	---
Nickel ppm	ASTM D5185m >10	<b>0</b>	---	---
Titanium ppm	ASTM D5185m	<b>0</b>	---	---
Silver ppm	ASTM D5185m	<b>0</b>	---	---
Aluminum ppm	ASTM D5185m >25	<b>1</b>	---	---
Lead ppm	ASTM D5185m >25	<b>0</b>	---	---
Copper ppm	ASTM D5185m >100	<b>8</b>	---	---
Tin ppm	ASTM D5185m >10	<b>0</b>	---	---
Vanadium ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium ppm	ASTM D5185m	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m 6	<b>0</b>	---	---
Barium ppm	ASTM D5185m 0	<b>0</b>	---	---
Molybdenum ppm	ASTM D5185m 0	<b>0</b>	---	---
Manganese ppm	ASTM D5185m	<b>1</b>	---	---
Magnesium ppm	ASTM D5185m 145	<b>27</b>	---	---
Calcium ppm	ASTM D5185m 3570	<b>725</b>	---	---
Phosphorus ppm	ASTM D5185m 1290	<b>508</b>	---	---
Zinc ppm	ASTM D5185m 1640	<b>502</b>	---	---
Sulfur ppm	ASTM D5185m	<b>1540</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >75	<b>19</b>	---	---
Sodium ppm	ASTM D5185m	<b>0</b>	---	---
Potassium ppm	ASTM D5185m >20	<b>&lt;1</b>	---	---

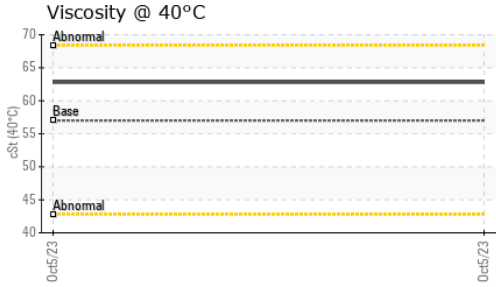
## VISUAL

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>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

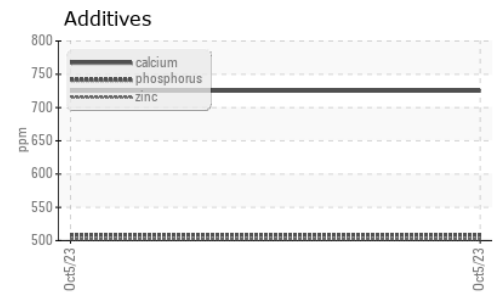
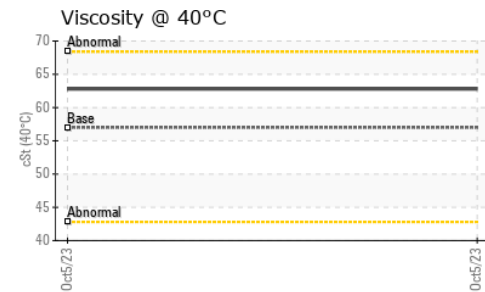
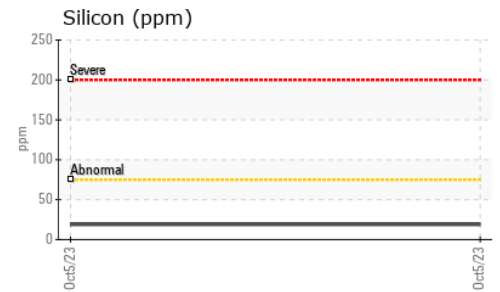
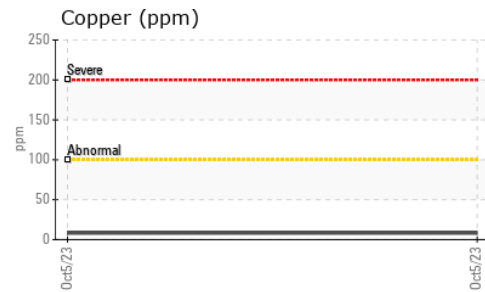
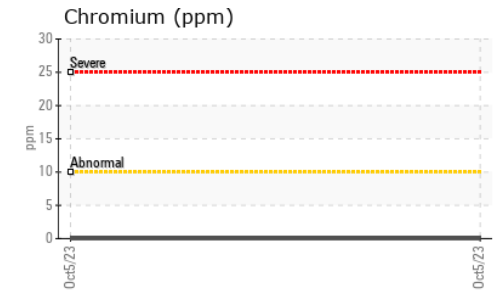
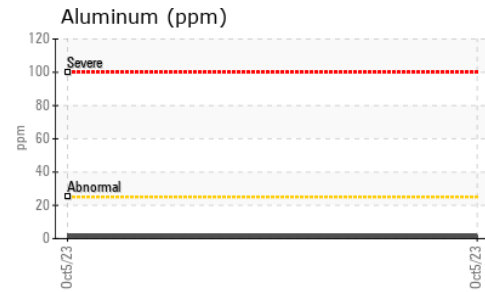
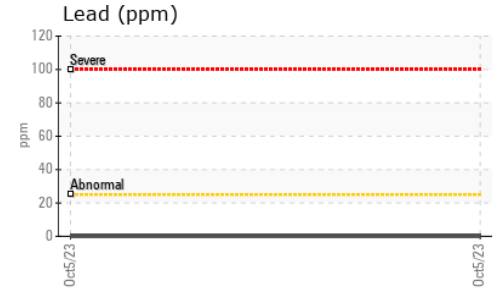
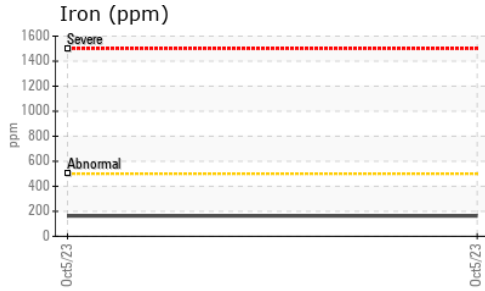
method	limit/base	current	history1	history2
Visc @ 40°C cSt	ASTM D445 57.0	<b>62.8</b>	---	---

# 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. : PCA0096414 Received : 09 Oct 2023  
 Lab Number : 05973327 Diagnosed : 11 Oct 2023  
 Unique Number : 10685277 Diagnostician : Jonathan Hester  
 Test Package : MOB 1

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)

**CENTRAL VALLEY AG**  
 5707 LANGWORTH  
 OAKDALE, CA  
 US 95361  
 Contact: S MCHENRY  
 smchenry@cv-ag.com  
 T: (209)630-8094  
 F: