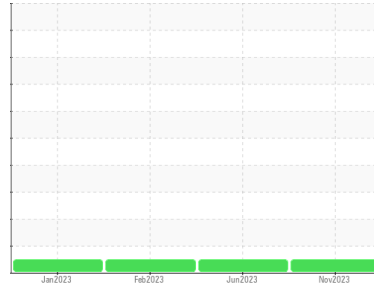




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**D-234**

Component  
**Right Final Drive**

Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- 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>WC0828482</b>	WC0780358	WC0780380
Sample Date	Client Info			<b>02 Nov 2023</b>	29 Jun 2023	28 Feb 2023
Machine Age	hrs	Client Info		<b>1702</b>	1146	531
Oil Age	hrs	Client Info		<b>556</b>	1146	531
Oil Changed	Client Info			<b>Not Chngd</b>	Changed	Not Chngd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>52</b>	99	83
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	3
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	2	4
Lead	ppm	ASTM D5185m	>25	<b>0</b>	2	3
Copper	ppm	ASTM D5185m	>50	<b>0</b>	2	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	<b>109</b>	0	<1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	2	2
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	4	5
Magnesium	ppm	ASTM D5185m	145	<b>14</b>	103	100
Calcium	ppm	ASTM D5185m	3570	<b>3016</b>	3445	3253
Phosphorus	ppm	ASTM D5185m	1290	<b>967</b>	1039	923
Zinc	ppm	ASTM D5185m	1640	<b>1157</b>	1266	1163
Sulfur	ppm	ASTM D5185m		<b>3052</b>	4340	3623

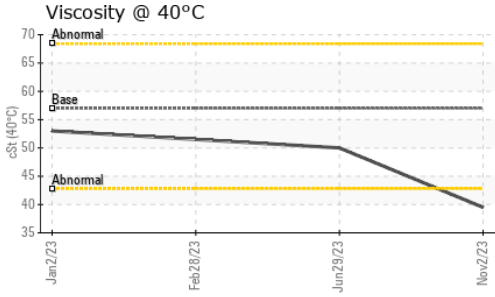
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>18</b>	16	17
Sodium	ppm	ASTM D5185m		<b>5</b>	4	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	10	10

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.0	<b>39.5</b>	50.0	51.5

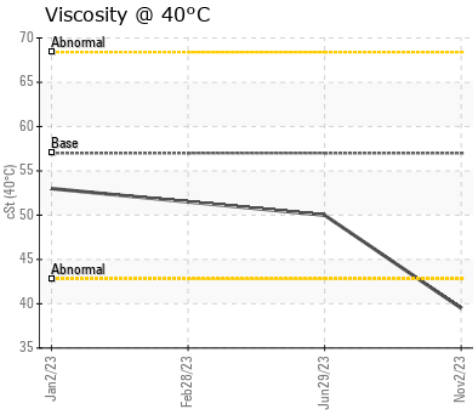
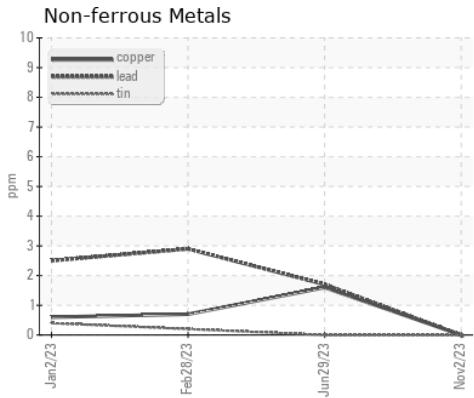
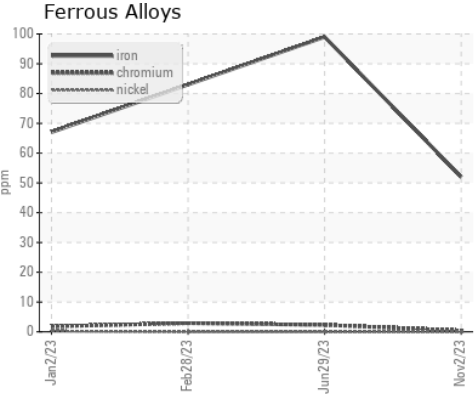


# OIL ANALYSIS REPORT



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.** : WC0828482      **Received** : 03 Nov 2023  
**Lab Number** : 05998311      **Diagnosed** : 06 Nov 2023  
**Unique Number** : 10726671      **Diagnostician** : Don Baldrige  
**Test Package** : CONST

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)

**DUKE LAZZARA**  
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