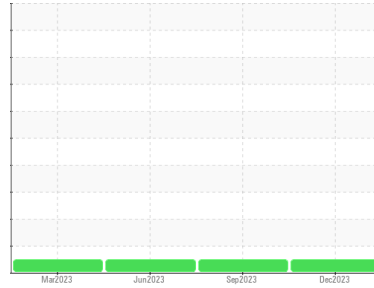




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**RONI**  
 Machine Id  
**457**  
 Component  
**Rear Left 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>WC0872968</b>	LH0275077	LH0261566
Sample Date	Client Info		<b>08 Dec 2023</b>	25 Sep 2023	07 Jun 2023
Machine Age	hrs	Client Info	<b>0</b>	2697	2166
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >750	<b>74</b>	57	83
Chromium	ppm	ASTM D5185(m) >9	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m) >10	<b>2</b>	2	2
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185(m) >40	<b>2</b>	1	2
Lead	ppm	ASTM D5185(m) >15	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m) >40	<b>9</b>	8	19
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	0	<1
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	0

## ADDITIVES

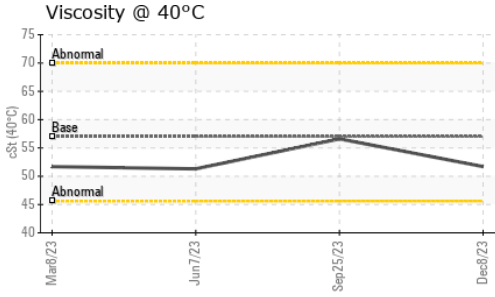
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 6	<b>2</b>	2	1
Barium	ppm	ASTM D5185(m) 0	<b>2</b>	2	4
Molybdenum	ppm	ASTM D5185(m) 0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	<b>2</b>	2	4
Magnesium	ppm	ASTM D5185(m) 145	<b>78</b>	78	100
Calcium	ppm	ASTM D5185(m) 3570	<b>2620</b>	2655	3600
Phosphorus	ppm	ASTM D5185(m) 1290	<b>921</b>	923	1114
Zinc	ppm	ASTM D5185(m) 1640	<b>1082</b>	1081	1210
Sulfur	ppm	ASTM D5185(m)	<b>2843</b>	2779	3236
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	<b>11</b>	9	10
Sodium	ppm	ASTM D5185(m) >51	<b>3</b>	2	7
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	<1	3



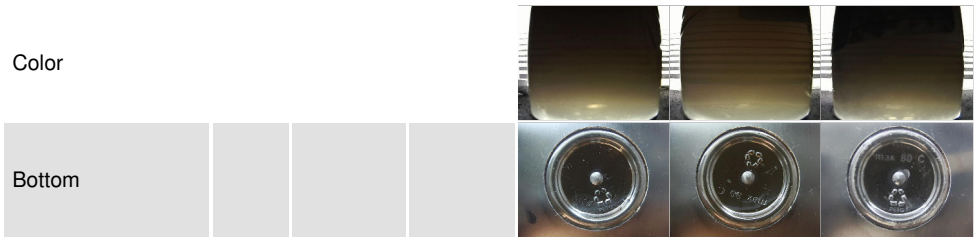
# OIL ANALYSIS REPORT



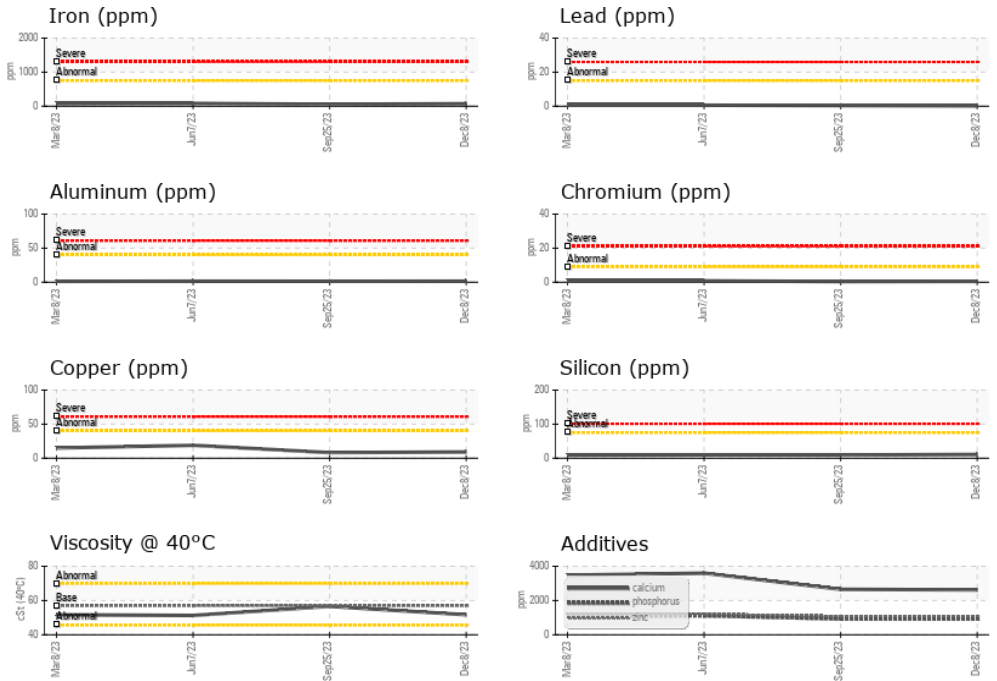
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.075	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	57.0	51.7	56.6

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **RONI/IRON SHORE EXCAVATING LTD.**  
**Sample No.** : WC0872968 **Received** : 14 Dec 2023  
**Lab Number** : 02603293 **Diagnosed** : 14 Dec 2023  
**Unique Number** : 5696378 **Diagnostician** : Wes Davis  
**Test Package** : MOBCE ( Additional Tests: Visual )

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

100 MACINTOSH BLVD  
VAUGHAN, ON  
CA L4K 4P3

Contact: Service Team  
service.team@roni.ca