



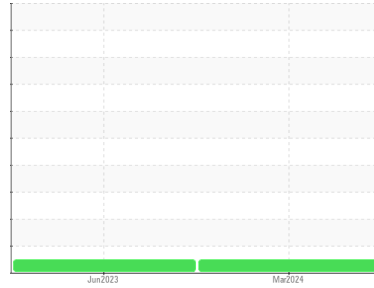
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**RONI**  
 Machine Id  
**171**  
 Component  
**Left Final Drive**  
 Fluid  
**PETRO CANADA 30W (--- 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>WC0899382</b>	LH0256747	---
Sample Date	Client Info		<b>19 Mar 2024</b>	22 Jun 2023	---
Machine Age	hrs	Client Info	<b>0</b>	9867	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>Not Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>800	<b>99</b>	203	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	1	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>75	<b>5</b>	20	---
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>75	<b>0</b>	<1	---
Tin	ppm	ASTM D5185(m)	>8	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)	>50	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

## ADDITIVES

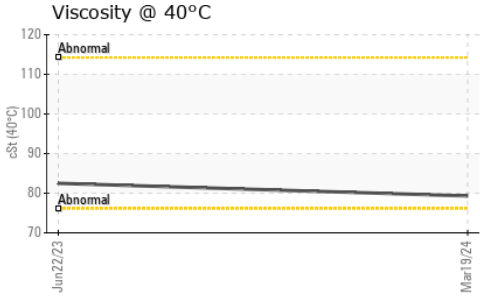
	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		<b>5</b>	8	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	2	---
Magnesium	ppm	ASTM D5185(m)		<b>914</b>	832	---
Calcium	ppm	ASTM D5185(m)		<b>1074</b>	1403	---
Phosphorus	ppm	ASTM D5185(m)		<b>1124</b>	1174	---
Zinc	ppm	ASTM D5185(m)		<b>1284</b>	1259	---
Sulfur	ppm	ASTM D5185(m)		<b>2876</b>	3330	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>400	<b>24</b>	64	---
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	8	---



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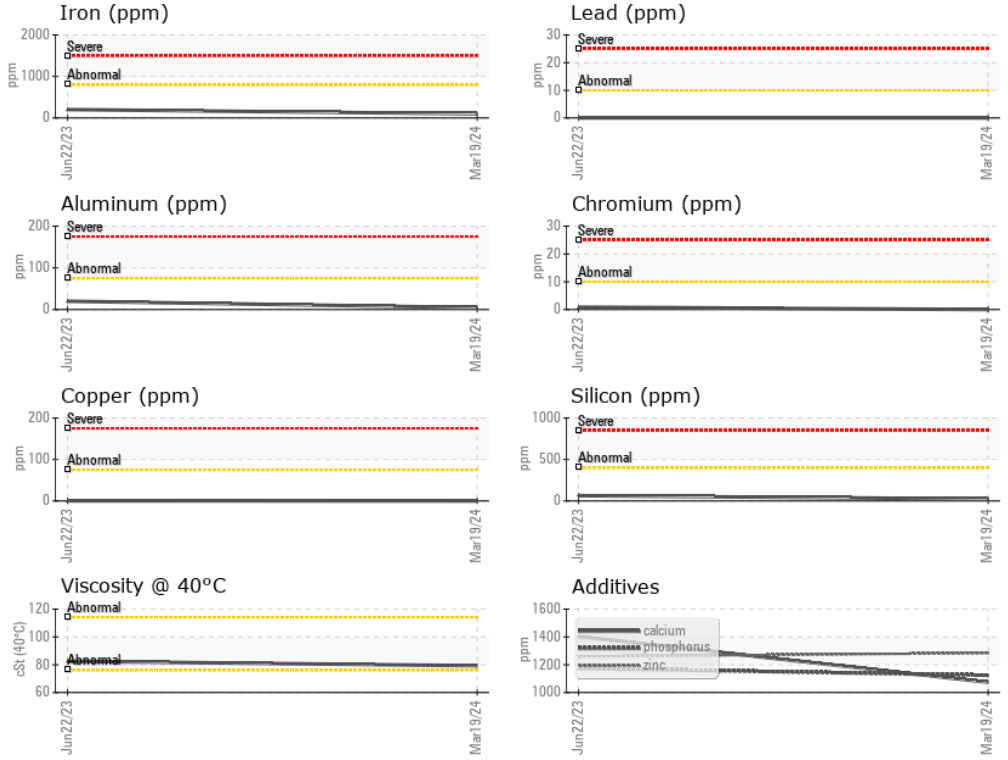
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	VLITE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	<b>79.3</b>	82.5	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color			no image
Bottom			no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0899382  
**Lab Number** : **02624368**  
**Unique Number** : 5749487  
**Test Package** : MOBCE ( Additional Tests: Visual )

**RONI/IRON SHORE EXCAVATING LTD.**  
 100 MACINTOSH BLVD  
 VAUGHAN, ON  
 CA L4K 4P3  
 Contact: Service Team  
 service.team@roni.ca

Received : 25 Mar 2024  
 Tested : 25 Mar 2024  
 Diagnosed : 26 Mar 2024 - Kevin Marson  
 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.