



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**RONI**  
 Machine Id  
**9102**  
 Component  
**Rear Left Final Drive**  
 Fluid  
**PETRO CANADA 50W (--- GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.  
 Please specify the brand, type, and viscosity of the oil on your next sample.

### 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>WC0888522</b>	---	---
Sample Date	Client Info		<b>04 Jan 2024</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Not Changd</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

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

## WEAR METALS

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

## ADDITIVES

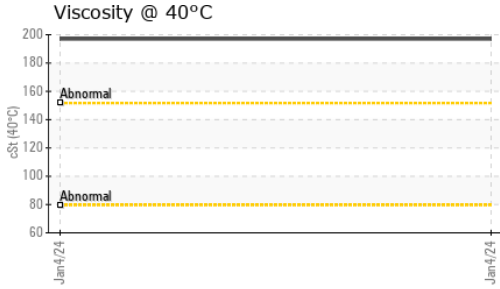
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>2</b>	---	---
Barium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	<b>459</b>	---	---
Calcium	ppm	ASTM D5185(m)	<b>2021</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	<b>1064</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>1194</b>	---	---
Sulfur	ppm	ASTM D5185(m)	<b>4972</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >400	<b>14</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---



# OIL ANALYSIS REPORT



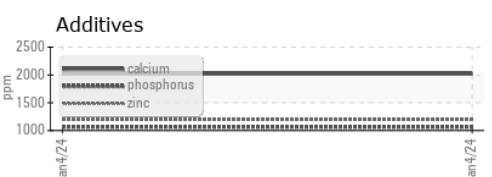
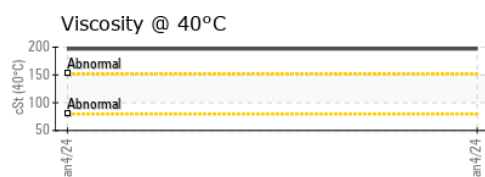
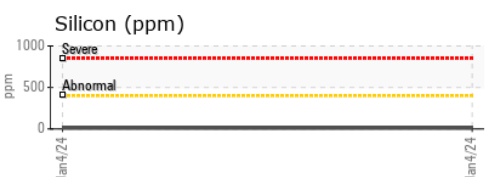
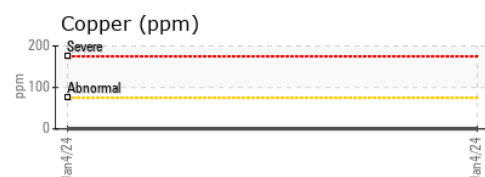
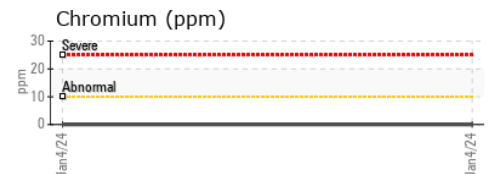
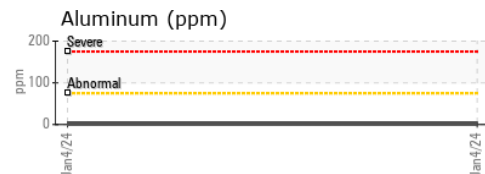
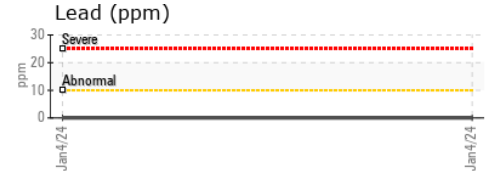
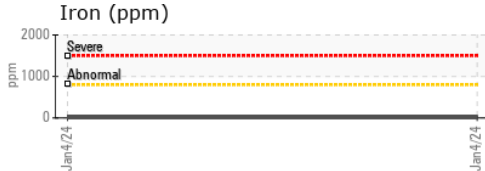
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	197	---	---

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **RONI/IRON SHORE EXCAVATING LTD.**  
**Sample No.** : WC0888522 **Recieved** : 17 Jan 2024 **100 MACINTOSH BLVD**  
**Lab Number** : 02609495 **Diagnosed** : 18 Jan 2024 **VAUGHAN, ON**  
**Unique Number** : 5710581 **Diagnostician** : Kevin Marson **CA L4K 4P3**  
**Test Package** : MOBCE ( Additional Tests: Visual ) **Contact: Service Team**  
**service.team@roni.ca**

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.