



# OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL



Area  
**RONI**  
 Machine Id  
**9-101**  
 Component  
**Front Right Final Drive**  
 Fluid  
**PETRO CANADA 50W (--- GAL)**



## DIAGNOSIS

### ▲ Recommendation

We advise that you check for visible metal particles in the oil. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

### ▲ Wear

Moderate concentration of visible metal present. Gear wear is indicated.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0899473</b>	---	---
Sample Date	Client Info		<b>06 Mar 2024</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Not Changed</b>	---	---
Sample Status			<b>ABNORMAL</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>57</b>	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</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>10</b>	---
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	---
Copper	ppm	ASTM D5185(m)	>75	<b>2</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

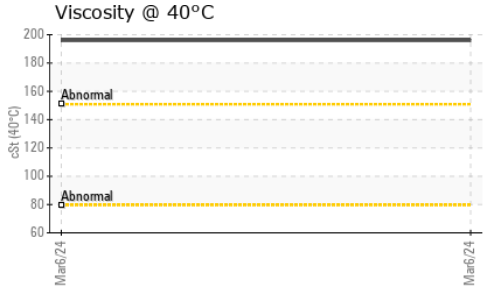
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---
Magnesium	ppm	ASTM D5185(m)		<b>930</b>	---
Calcium	ppm	ASTM D5185(m)		<b>1070</b>	---
Phosphorus	ppm	ASTM D5185(m)		<b>1125</b>	---
Zinc	ppm	ASTM D5185(m)		<b>1238</b>	---
Sulfur	ppm	ASTM D5185(m)		<b>3605</b>	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>400	<b>38</b>	---
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	---



# OIL ANALYSIS REPORT



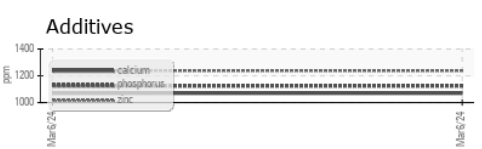
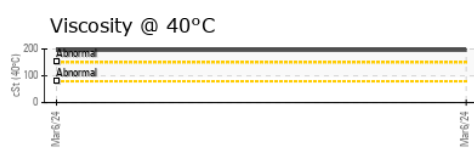
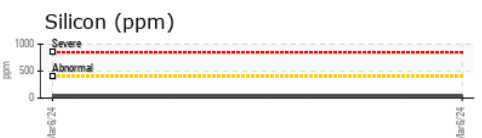
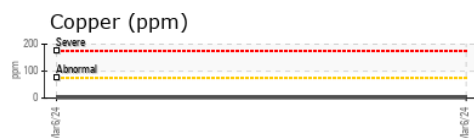
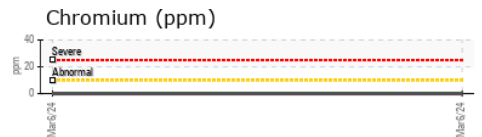
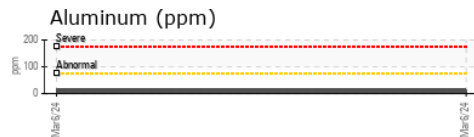
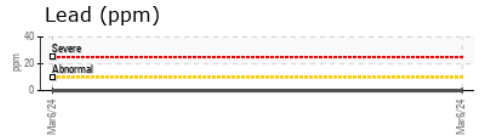
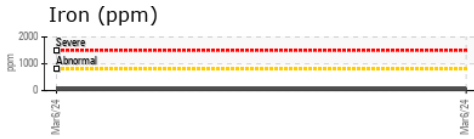
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE ▲ <b>LTMOD</b>	---	---
Yellow Metal	scalar	Visual*	NONE	---	---
Precipitate	scalar	Visual*	NONE	---	---
Silt	scalar	Visual*	NONE	---	---
Debris	scalar	Visual*	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	---	---
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	<b>196</b>	---	---

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0899473  
**Lab Number** : **02621218**  
**Unique Number** : 5746337  
**Test Package** : MOBCE ( Additional Tests: BottomAnalysis, FILTERPATCH, Visual )

**RONI/IRON SHORE EXCAVATING LTD.**  
 100 MACINTOSH BLVD  
 VAUGHAN, ON  
 CA L4K 4P3  
 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.

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F: