



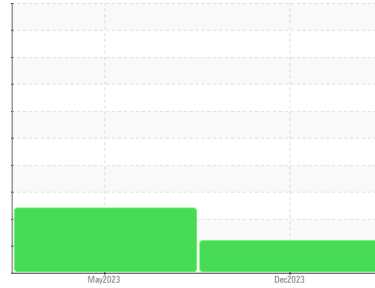
# OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL



Machine Id  
**126**  
Component  
**Right Final Drive**  
Fluid  
**PETRO CANADA 30W (--- GAL)**



## DIAGNOSIS

### Recommendation

We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. 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>WC0888433</b>	LH0256704	---
Sample Date	Client Info		<b>27 Dec 2023</b>	30 May 2023	---
Machine Age	hrs	Client Info	<b>0</b>	20525	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>ABNORMAL</b>	ABNORMAL	---

## 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>76</b>	676
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	2
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1
Titanium	ppm	ASTM D5185(m)	>15	<b>0</b>	6
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0
Aluminum	ppm	ASTM D5185(m)	>75	<b>18</b>	▲ 101
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0
Copper	ppm	ASTM D5185(m)	>75	<b>2</b>	1
Tin	ppm	ASTM D5185(m)	>8	<b>0</b>	0
Antimony	ppm	ASTM D5185(m)	>50	<b>0</b>	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	<1
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0

## ADDITIVES

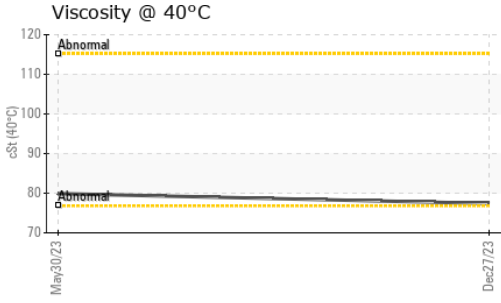
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>2</b>	2
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0
Molybdenum	ppm	ASTM D5185(m)		<b>1</b>	<1
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	6
Magnesium	ppm	ASTM D5185(m)		<b>882</b>	865
Calcium	ppm	ASTM D5185(m)		<b>1088</b>	1485
Phosphorus	ppm	ASTM D5185(m)		<b>1133</b>	1187
Zinc	ppm	ASTM D5185(m)		<b>1275</b>	1243
Sulfur	ppm	ASTM D5185(m)		<b>2993</b>	3284
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>400	<b>31</b>	▲ 454
Sodium	ppm	ASTM D5185(m)		<b>1</b>	25
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	36



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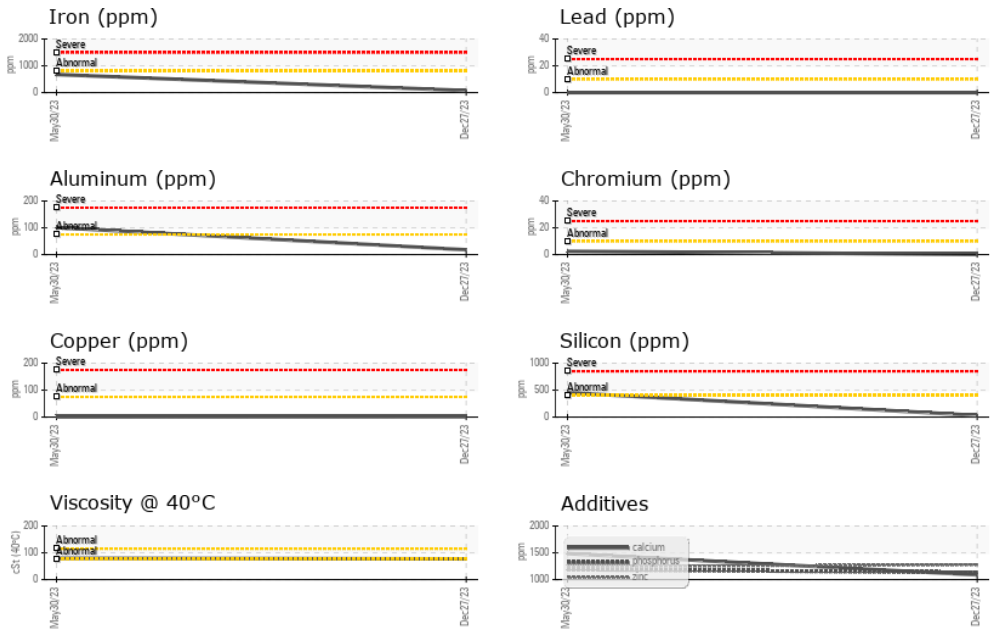
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	▲ MODER	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	77.4	79.9	---

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

## GRAPHS



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **RONI/IRON SHORE EXCAVATING LTD.**  
**Sample No.** : WC0888433 **Recieved** : 08 Jan 2024 **100 MACINTOSH BLVD**  
**Lab Number** : 02607234 **Diagnosed** : 11 Jan 2024 **VAUGHAN, ON**  
**Unique Number** : 5708320 **Diagnostician** : Kevin Marson **CA L4K 4P3**  
**Test Package** : MOBCE ( Additional Tests: Bottom, BottomAnalysis, FilterPatch, 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.

T:  
F: