



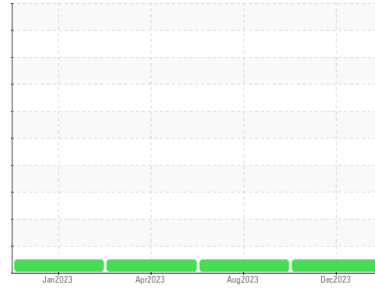
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**ORIN CONTRACTORS**  
 Machine Id  
**212**  
 Component  
**Rear Axle**  
 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>WC0872782</b>	LH0275282	LH0232532
Sample Date	Client Info		<b>20 Dec 2023</b>	24 Aug 2023	11 Apr 2023
Machine Age	hrs	Client Info	<b>0</b>	10341	500
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>Not Changed</b>	Not Changd	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>500	<b>155</b>	82	73
Chromium	ppm	ASTM D5185(m)	>10	<b>2</b>	1	<1
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>2</b>	2	2
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>50	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
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

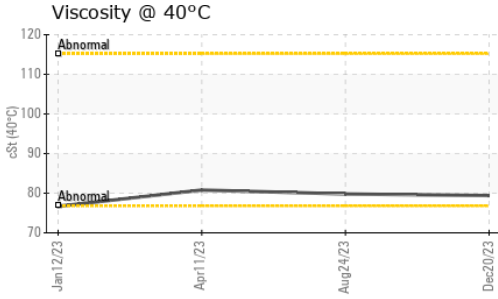
	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		<b>4</b>	3	4
Barium	ppm	ASTM D5185(m)		<b>2</b>	1	<1
Molybdenum	ppm	ASTM D5185(m)		<b>8</b>	4	4
Manganese	ppm	ASTM D5185(m)		<b>2</b>	1	1
Magnesium	ppm	ASTM D5185(m)		<b>837</b>	862	860
Calcium	ppm	ASTM D5185(m)		<b>1398</b>	1351	1448
Phosphorus	ppm	ASTM D5185(m)		<b>1086</b>	1163	1186
Zinc	ppm	ASTM D5185(m)		<b>1225</b>	1244	1269
Sulfur	ppm	ASTM D5185(m)		<b>3108</b>	2906	3131
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>20</b>	11	14
Sodium	ppm	ASTM D5185(m)		<b>2</b>	1	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	0	1



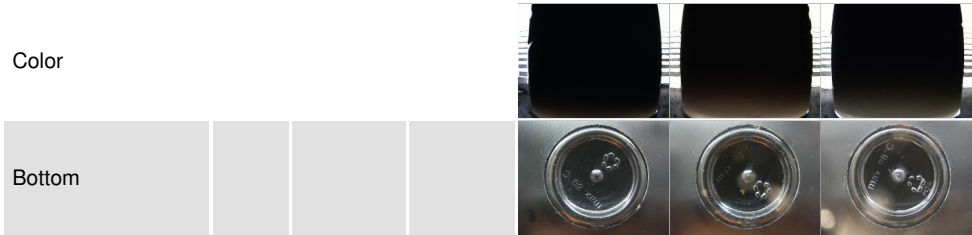
# OIL ANALYSIS REPORT



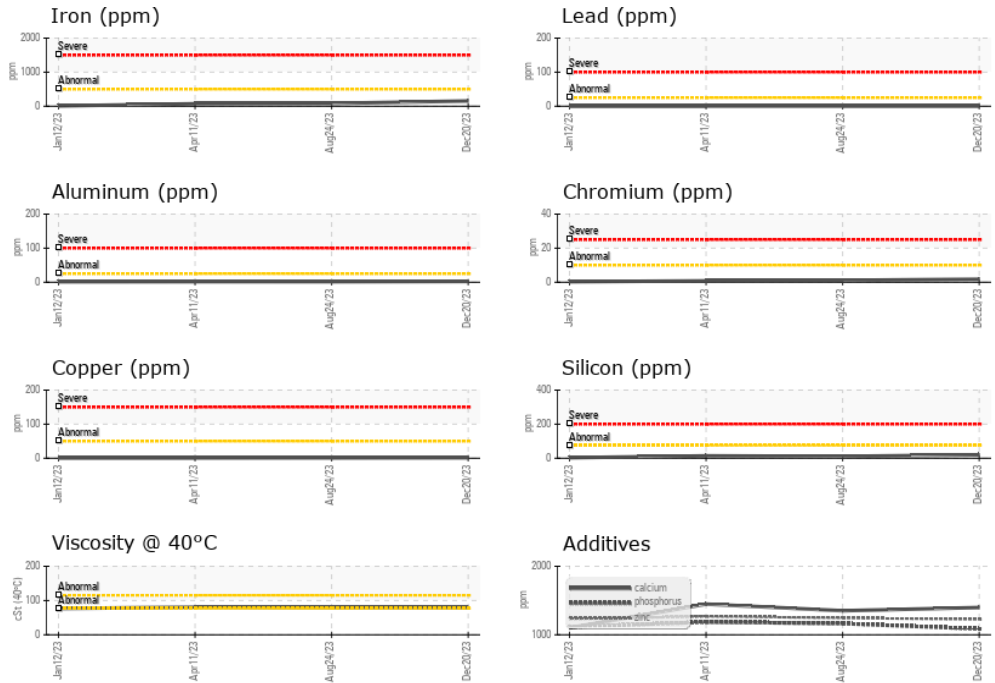
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE
Appearance	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>79.4</b>	79.8	80.8

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



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **RONI/IRON SHORE EXCAVATING LTD.**  
**Sample No.** : WC0872782 **Recieved** : 27 Dec 2023 **100 MACINTOSH BLVD**  
**Lab Number** : **02605414** **Diagnosed** : 28 Dec 2023 **VAUGHAN, ON**  
**Unique Number** : 5698499 **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.