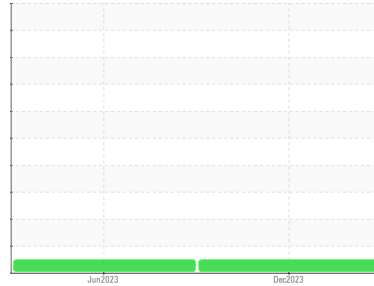




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**ORIN CONTRACTORS**  
 Machine Id  
**100-012**  
 Component  
**Right Final Drive**  
 Fluid  
**PETRO CANADA TRAXON 80W90 (--- 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>WC0888498</b>	LH0261505	---
Sample Date	Client Info	<b>27 Dec 2023</b>	21 Jun 2023	---
Machine Age	hrs	Client Info	<b>0</b>	3771
Oil Age	hrs	Client Info	<b>0</b>	0
Oil Changed	Client Info	<b>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
PQ	ASTM D8184*	<b>123</b>	201	---
Iron	ppm	ASTM D5185(m) >500	<b>883</b>	646
Chromium	ppm	ASTM D5185(m) >10	<b>9</b>	7
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1
Titanium	ppm	ASTM D5185(m)	<b>2</b>	2
Silver	ppm	ASTM D5185(m)	<b>0</b>	0
Aluminum	ppm	ASTM D5185(m) >25	<b>50</b>	42
Lead	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	0
Copper	ppm	ASTM D5185(m) >50	<b>1</b>	1
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	0
Antimony	ppm	ASTM D5185(m) >5	<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

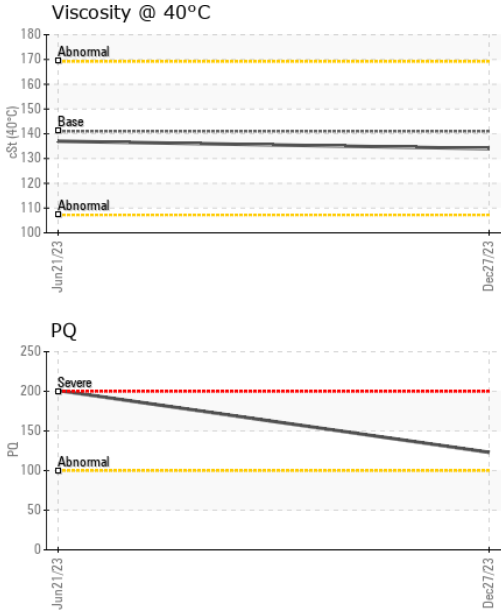
method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 243	<b>216</b>	229
Barium	ppm	ASTM D5185(m) 1	<b>0</b>	<1
Molybdenum	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1
Manganese	ppm	ASTM D5185(m)	<b>6</b>	5
Magnesium	ppm	ASTM D5185(m) 2	<b>22</b>	19
Calcium	ppm	ASTM D5185(m) 6	<b>142</b>	117
Phosphorus	ppm	ASTM D5185(m) 987	<b>940</b>	1026
Zinc	ppm	ASTM D5185(m) 1	<b>6</b>	8
Sulfur	ppm	ASTM D5185(m) 21530	<b>17336</b>	17205
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	<b>254</b>	219
Sodium	ppm	ASTM D5185(m)	<b>14</b>	12
Potassium	ppm	ASTM D5185(m) >20	<b>18</b>	15



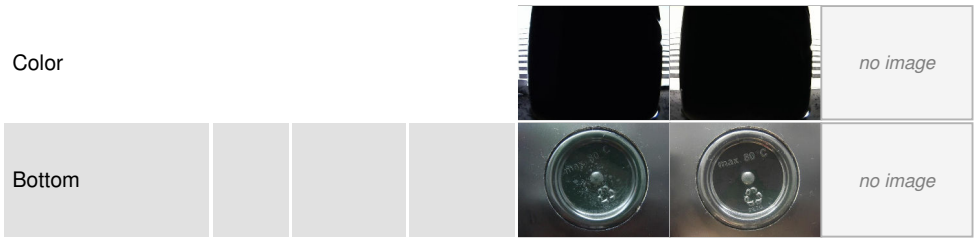
# OIL ANALYSIS REPORT



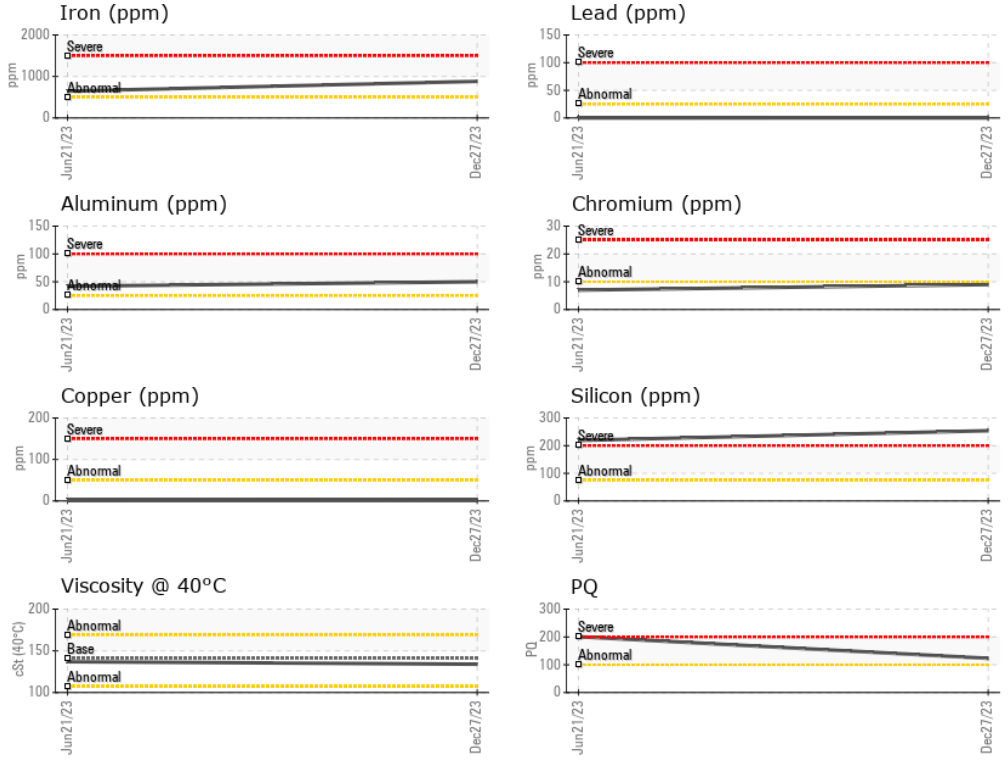
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	VLITE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	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)	141.0	134	137

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



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **RONI/IRON SHORE EXCAVATING LTD.**  
**Sample No.** : WC0888498 **Recieved** : 08 Jan 2024 **100 MACINTOSH BLVD**  
**Lab Number** : 02607259 **Diagnosed** : 09 Jan 2024 **VAUGHAN, ON**  
**Unique Number** : 5708345 **Diagnostician** : Kevin Marson **CA L4K 4P3**  
**Test Package** : MOBCE ( Additional Tests: PQ, Visual ) **Contact: Service Team**

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.

**service.team@roni.ca**

T:  
F: