

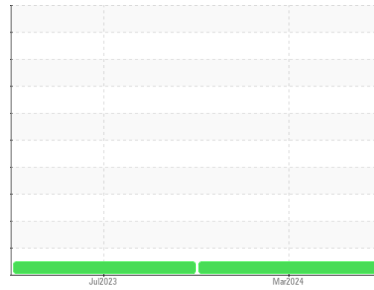


# OIL ANALYSIS REPORT



Area  
**(363346) IRON SHORING**  
 Machine Id  
**223**  
 Component  
**Rear Right Wheel Hub**  
 Fluid  
**PETRO CANADA TRAXON 80W90 (--- GAL)**

### Sample Rating Trend



**NORMAL**



### 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>WC0920810</b>	LH0270473	---
Sample Date	Client Info		<b>21 Mar 2024</b>	26 Jul 2023	---
Machine Age	hrs	Client Info	<b>0</b>	2025	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
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	
Iron	ppm	ASTM D5185(m)	>500	<b>63</b>	166	---
Chromium	ppm	ASTM D5185(m)	>8	<b>&lt;1</b>	2	---
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>5	<b>3</b>	12	---
Lead	ppm	ASTM D5185(m)	>5	<b>0</b>	4	---
Copper	ppm	ASTM D5185(m)	>50	<b>25</b>	153	---
Tin	ppm	ASTM D5185(m)		<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

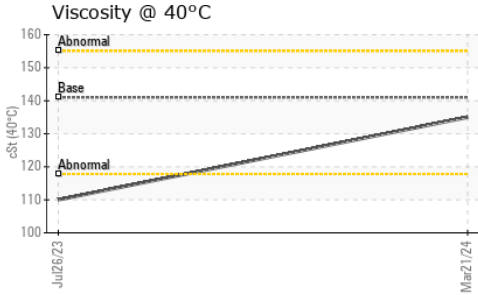
	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	243	<b>236</b>	153	---
Barium	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	1	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	2	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	---
Magnesium	ppm	ASTM D5185(m)	2	<b>2</b>	8	---
Calcium	ppm	ASTM D5185(m)	6	<b>15</b>	63	---
Phosphorus	ppm	ASTM D5185(m)	987	<b>1076</b>	1721	---
Zinc	ppm	ASTM D5185(m)	1	<b>18</b>	88	---
Sulfur	ppm	ASTM D5185(m)	21530	<b>18789</b>	25301	---
Lithium	ppm	ASTM D5185(m)		<b>1</b>	3	---

### CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	<b>22</b>	54	---
Sodium	ppm	ASTM D5185(m)		<b>1</b>	4	---
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	5	---



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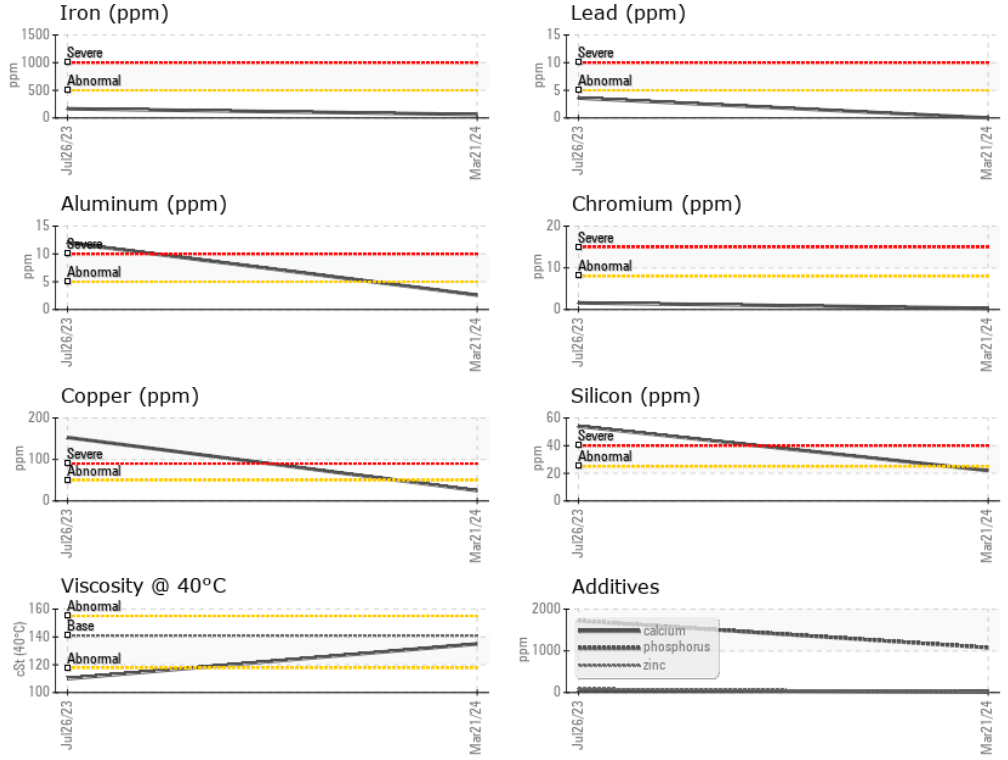
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	VLITE	VLITE
Debris	scalar	Visual*	NONE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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)	141.0	135	110

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0920810      **Received** : 16 Apr 2024  
**Lab Number** : 02629286      **Tested** : 16 Apr 2024  
**Unique Number** : 5762418      **Diagnosed** : 16 Apr 2024 - Wes Davis  
**Test Package** : MOBCE ( Additional Tests: 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.