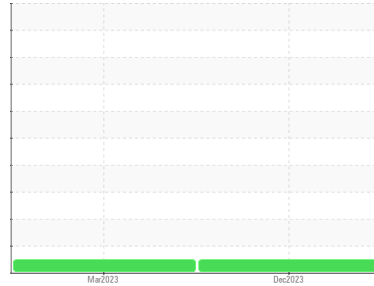




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**100-003**

Component  
**Swing Drive**

Fluid  
**PETRO CANADA TRAXON 80W90 (--- GAL)**

## DIAGNOSIS

### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 40 range, advise investigate. 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>WC0872916</b>	LH0232553	---
Sample Date	Client Info			<b>06 Dec 2023</b>	30 Mar 2023	---
Machine Age	hrs	Client Info		<b>0</b>	1000	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

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

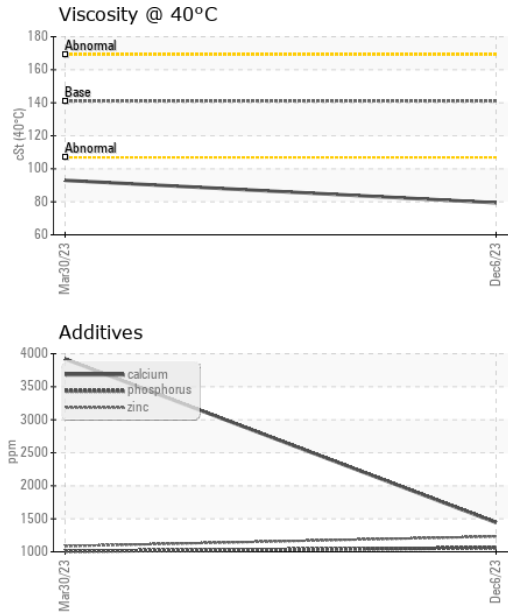
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>400	<b>9</b>	10	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	1	---
Lead	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185(m)	>200	<b>17</b>	19	---
Tin	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	1	---
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>1</b>	3	---
Barium	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	2	<b>815</b>	180	---
Calcium	ppm	ASTM D5185(m)	6	<b>1443</b>	3920	---
Phosphorus	ppm	ASTM D5185(m)	987	<b>1060</b>	1009	---
Zinc	ppm	ASTM D5185(m)	1	<b>1232</b>	1086	---
Sulfur	ppm	ASTM D5185(m)	21530	<b>3091</b>	4985	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<b>11</b>	17	---
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	1	---



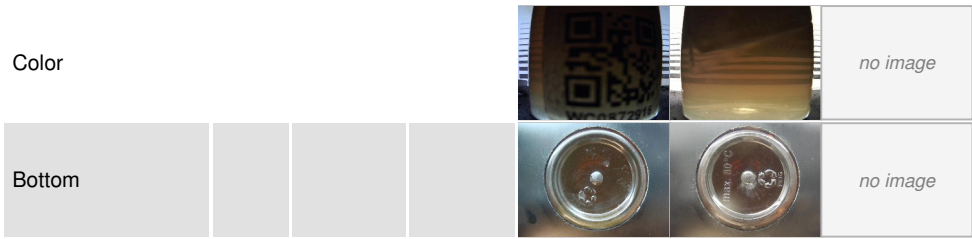
# OIL ANALYSIS REPORT



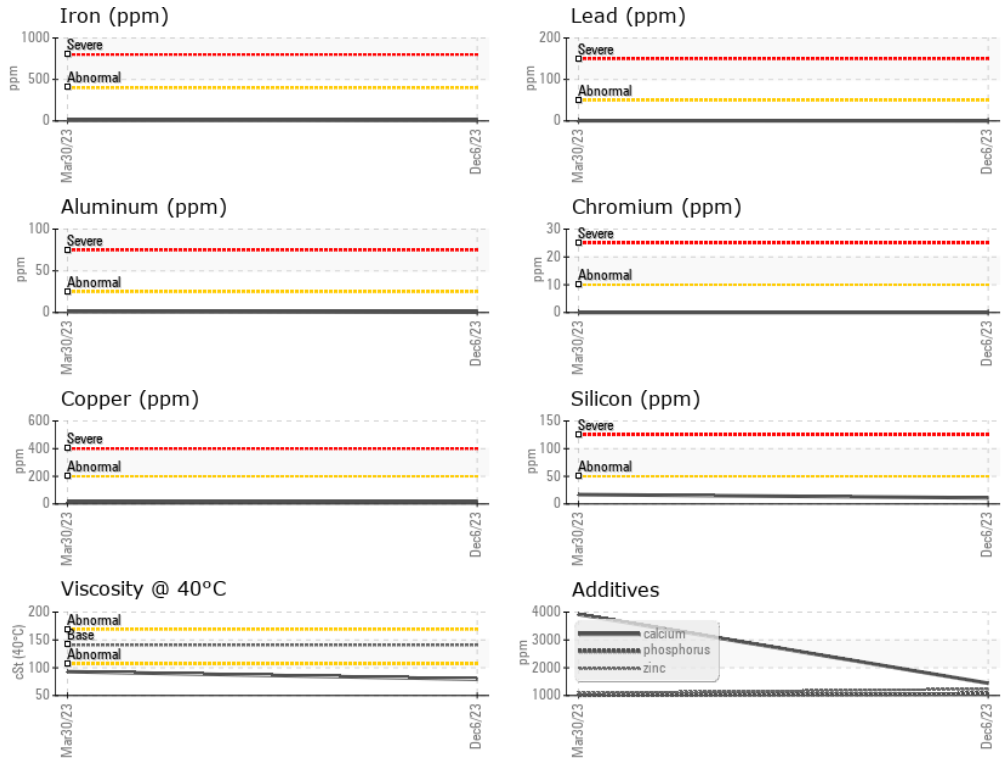
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	VLITE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	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	79.4	93.0

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.** : WC0872916 **Received** : 14 Dec 2023 **100 MACINTOSH BLVD**  
**Lab Number** : 02603296 **Diagnosed** : 15 Dec 2023 **VAUGHAN, ON**  
**Unique Number** : 5696381 **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.