



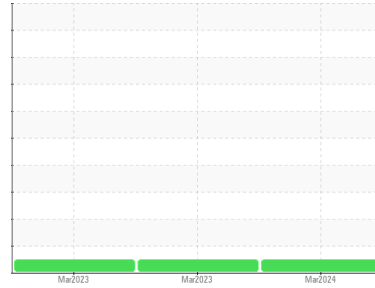
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**ORIN**  
Machine Id  
**189**  
Component  
**Left Final 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.

### 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. 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>WC0899410</b>	LH0206534	LH0206537
Sample Date	Client Info		<b>06 Mar 2024</b>	29 Mar 2023	24 Mar 2023
Machine Age	hrs	Client Info	<b>0</b>	2000	2000
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	Changed	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)	>3360	<b>566</b>	465	564
Chromium	ppm	ASTM D5185(m)	>35	<b>4</b>	4	7
Nickel	ppm	ASTM D5185(m)	>8	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185(m)	>15	<b>1</b>	2	1
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>185	<b>28</b>	12	12
Lead	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m)	>80	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>8	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	0
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

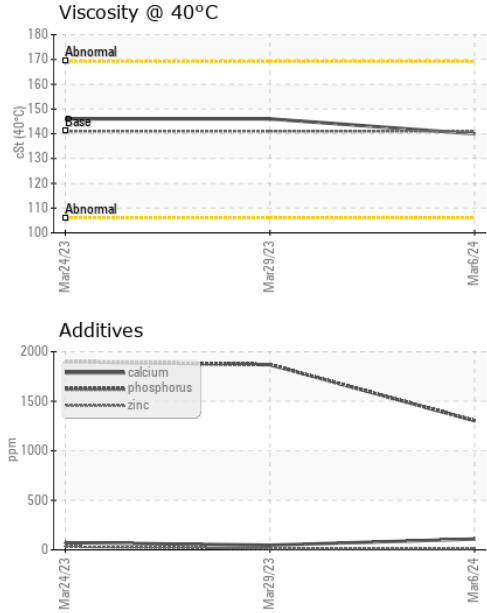
	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	243	<b>207</b>	96	124
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185(m)		<b>4</b>	4	5
Magnesium	ppm	ASTM D5185(m)	2	<b>13</b>	9	7
Calcium	ppm	ASTM D5185(m)	6	<b>109</b>	47	72
Phosphorus	ppm	ASTM D5185(m)	987	<b>1303</b>	1869	1899
Zinc	ppm	ASTM D5185(m)	1	<b>11</b>	12	31
Sulfur	ppm	ASTM D5185(m)	21530	<b>16648</b>	14124	14167
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>1100	<b>132</b>	63	60
Sodium	ppm	ASTM D5185(m)		<b>7</b>	3	3
Potassium	ppm	ASTM D5185(m)	>20	<b>10</b>	3	3



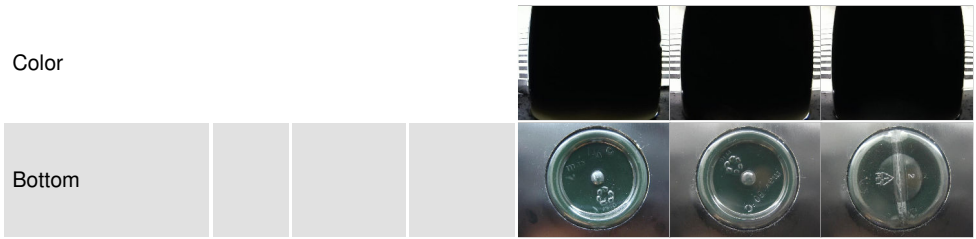
# OIL ANALYSIS REPORT



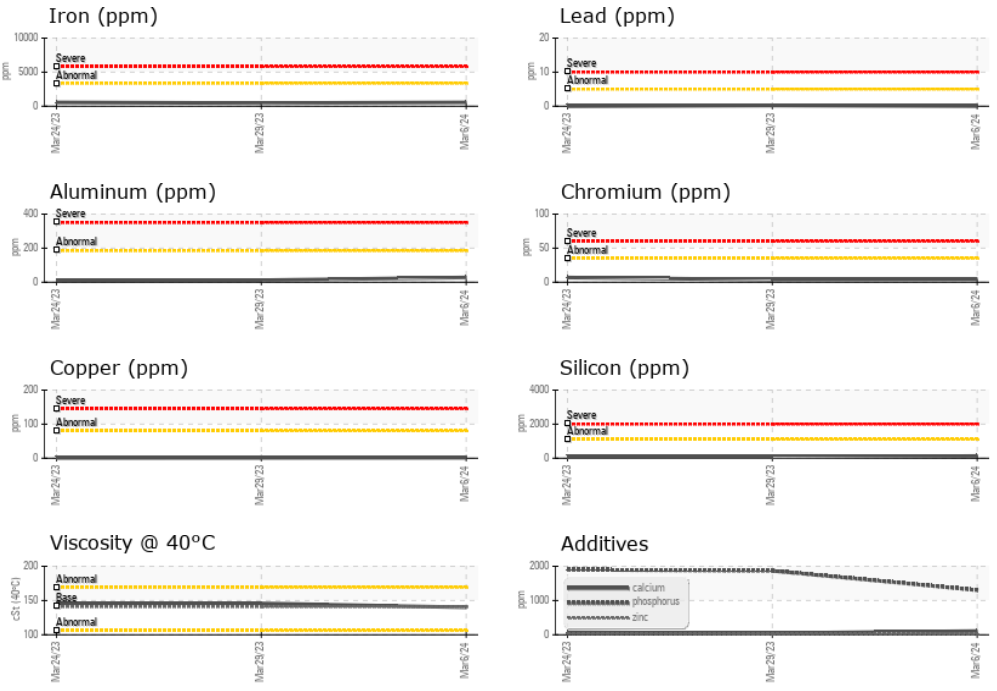
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	VLITE	VLITE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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)	141.0	140	146

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



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0899410  
**Lab Number** : 02621169  
**Unique Number** : 5746288  
**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.*