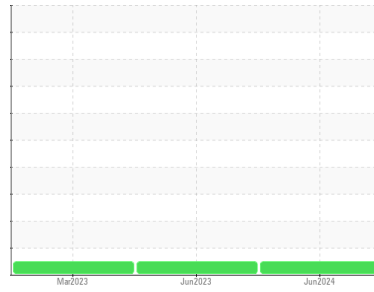




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area

**RONI**

Machine Id

**170**

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>WC0920718</b>	LH0256730	LH0182526
Sample Date	Client Info			<b>27 Jun 2024</b>	06 Jun 2023	29 Mar 2023
Machine Age	hrs	Client Info		<b>0</b>	5613	1000
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>Changed</b>	Changed	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

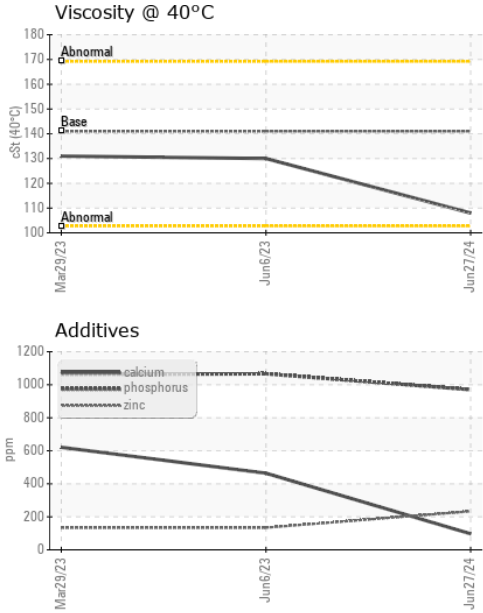
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	<b>223</b>	535	839
Chromium	ppm	ASTM D5185(m)	>10	<b>1</b>	7	11
Nickel	ppm	ASTM D5185(m)	>10	<b>2</b>	6	8
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	5	9
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>11</b>	90	124
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>50	<b>2</b>	2	2
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>	<1	<1
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>28</b>	161	178
Barium	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	2	<1
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185(m)		<b>2</b>	7	9
Magnesium	ppm	ASTM D5185(m)	2	<b>84</b>	37	51
Calcium	ppm	ASTM D5185(m)	6	<b>97</b>	464	621
Phosphorus	ppm	ASTM D5185(m)	987	<b>970</b>	1066	1063
Zinc	ppm	ASTM D5185(m)	1	<b>233</b>	134	134
Sulfur	ppm	ASTM D5185(m)	21530	<b>15476</b>	18568	17934
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>45</b>	369	517
Sodium	ppm	ASTM D5185(m)		<b>4</b>	29	34
Potassium	ppm	ASTM D5185(m)	>20	<b>5</b>	39	51



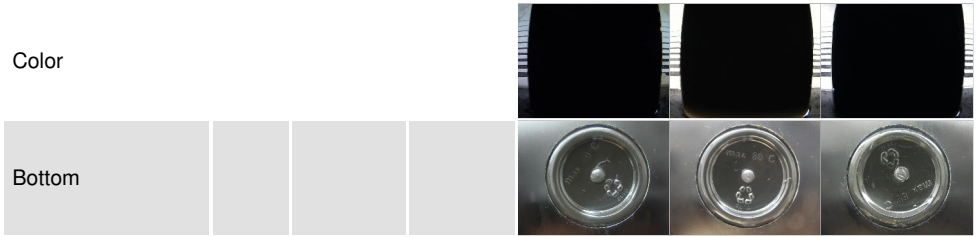
# OIL ANALYSIS REPORT



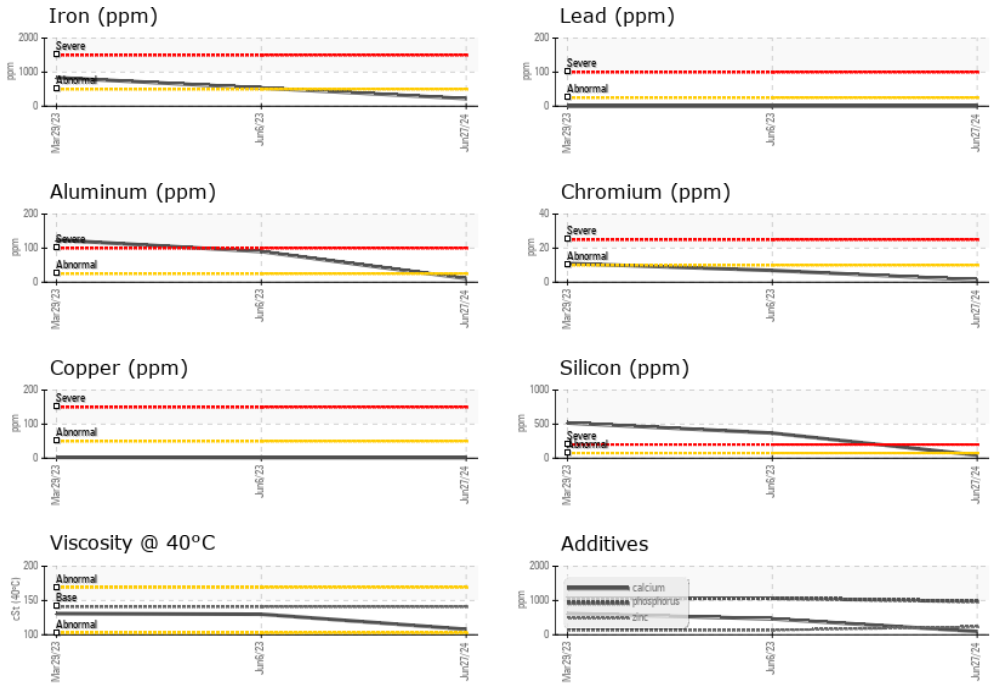
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	LIGHT	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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	108	130

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.** : WC0920718 **Received** : 10 Jul 2024 100 MACINTOSH BLVD  
**Lab Number** : 02647171 **Tested** : 10 Jul 2024 VAUGHAN, ON  
**Unique Number** : 5812723 **Diagnosed** : 10 Jul 2024 - Wes Davis CA L4K 4P3  
**Test Package** : MOBCE **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.