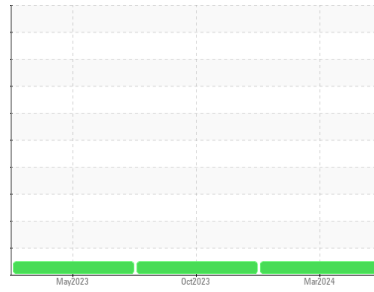




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**ORIN CONTRACTORS**

Machine Id  
**226**

Component  
**Rear Right 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>WC0920817</b>	LH0275380	LH0256791
Sample Date	Client Info			<b>21 Mar 2024</b>	12 Oct 2023	18 May 2023
Machine Age	hrs	Client Info		<b>0</b>	0	1199
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

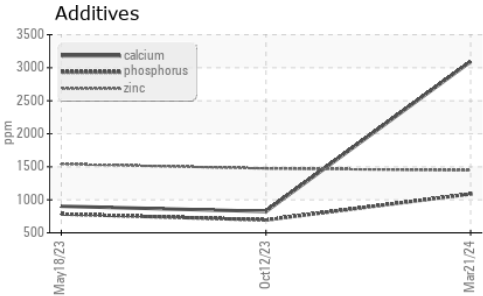
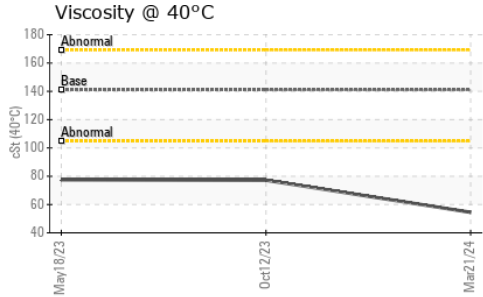
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	<b>127</b>	371	303
Chromium	ppm	ASTM D5185(m)	>10	<b>2</b>	4	4
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	2	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>2</b>	2	2
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	2	2
Copper	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	4	2
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	0	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>103</b>	103	106
Barium	ppm	ASTM D5185(m)	1	<b>2</b>	9	9
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185(m)		<b>1</b>	4	4
Magnesium	ppm	ASTM D5185(m)	2	<b>19</b>	4	3
Calcium	ppm	ASTM D5185(m)	6	<b>3092</b>	824	903
Phosphorus	ppm	ASTM D5185(m)	987	<b>1088</b>	694	784
Zinc	ppm	ASTM D5185(m)	1	<b>1445</b>	1474	1541
Sulfur	ppm	ASTM D5185(m)	21530	<b>6781</b>	5708	5991
Lithium	ppm	ASTM D5185(m)		<b>1</b>	3	3

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	<b>19</b>	39	37
Sodium	ppm	ASTM D5185(m)		<b>2</b>	7	6
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	2



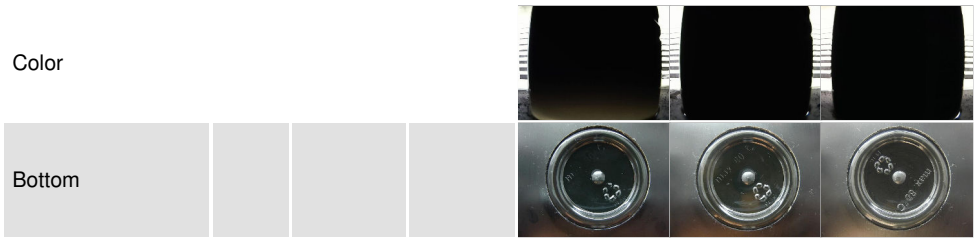
# OIL ANALYSIS REPORT



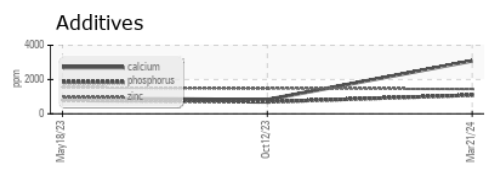
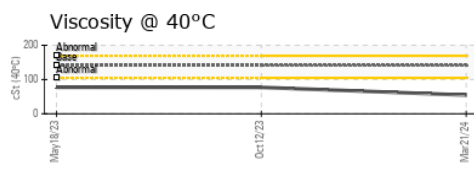
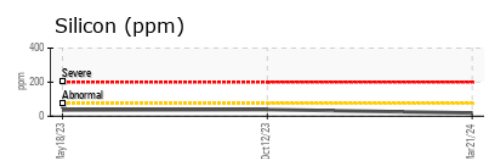
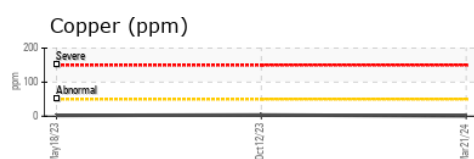
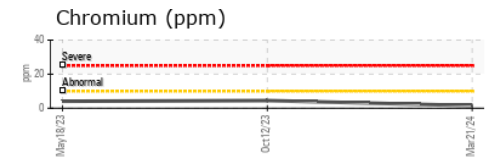
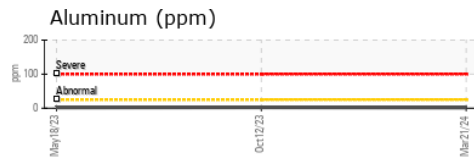
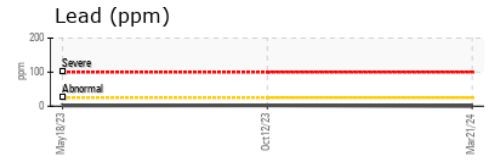
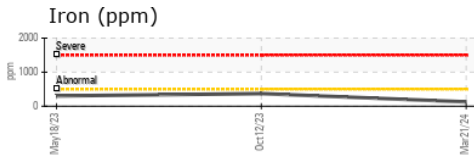
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	LIGHT	LIGHT	VLITE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	54.5	77.2	77.5

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.** : WC0920817  
**Lab Number** : 02629300  
**Unique Number** : 5762432  
**Test Package** : MOBCE ( Additional Tests: Visual )  
**Received** : 16 Apr 2024  
**Tested** : 17 Apr 2024  
**Diagnosed** : 17 Apr 2024 - Wes Davis

**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.