



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area

## ORIN CONTRACTORS

Machine Id

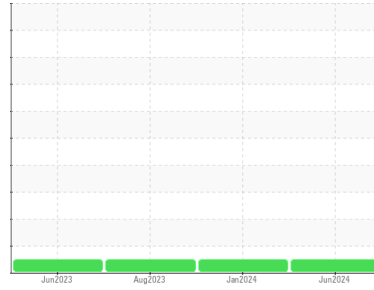
### 225

Component

### Rear Axle

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>WC0932688</b>	WC0888465	LH0275131
Sample Date	Client Info		<b>28 Jun 2024</b>	12 Jan 2024	21 Aug 2023
Machine Age	hrs	Client Info	<b>0</b>	0	2603
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	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>14</b>	7	86
Chromium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	0	1
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >30	<b>1</b>	2	<1
Lead	ppm	ASTM D5185(m) >50	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m) >120	<b>2</b>	<1	12
Tin	ppm	ASTM D5185(m) >20	<b>0</b>	0	1
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

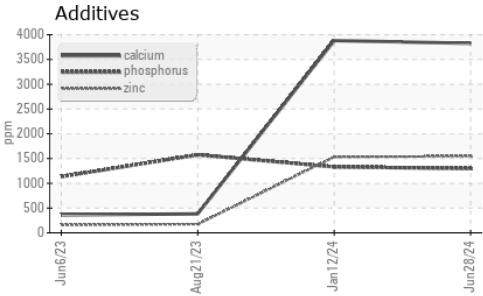
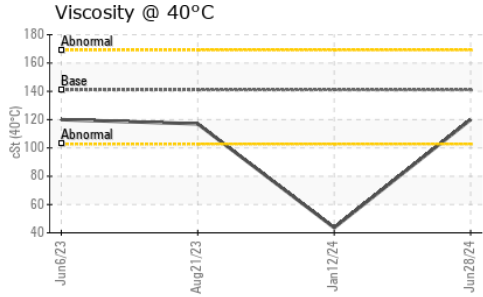
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 243	<b>125</b>	123	230
Barium	ppm	ASTM D5185(m) 1	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	2
Magnesium	ppm	ASTM D5185(m) 2	<b>14</b>	15	15
Calcium	ppm	ASTM D5185(m) 6	<b>3825</b>	3882	383
Phosphorus	ppm	ASTM D5185(m) 987	<b>1297</b>	1331	1575
Zinc	ppm	ASTM D5185(m) 1	<b>1546</b>	1532	173
Sulfur	ppm	ASTM D5185(m) 21530	<b>3659</b>	3667	16119
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	1

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>12</b>	12	12
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	1
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	<1	<1



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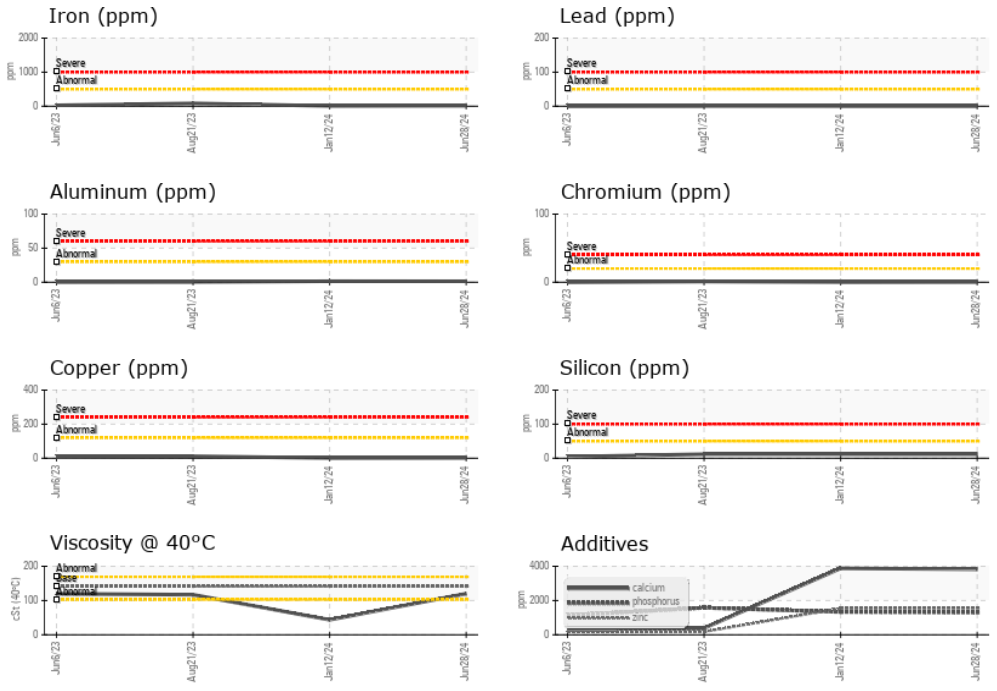
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE
Sand/Dirt	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	<b>120</b>	43.6

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.** : WC0932688  
**Lab Number** : **02647169**  
**Unique Number** : 5812721  
**Test Package** : MOBCE  
**Received** : 10 Jul 2024  
**Tested** : 11 Jul 2024  
**Diagnosed** : 11 Jul 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.