



# OIL ANALYSIS REPORT

Sample Rating Trend

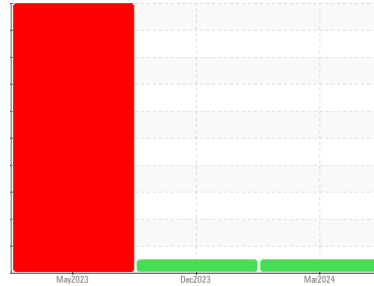
**NORMAL**



Area  
**RONI**  
Machine Id  
**193**

Component  
**Right Final Drive**  
Fluid

**PETRO CANADA TRAXON 75W90 SYNTHETIC (--- GAL)**



## DIAGNOSIS

### Recommendation

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

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>WC0899443</b>	WC0872943	LH0256800
Sample Date	Client Info		<b>07 Mar 2024</b>	12 Dec 2023	24 May 2023
Machine Age	hrs	Client Info	<b>0</b>	0	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>Not Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	SEVERE

## 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>357</b>	82	▲ 2229
Chromium	ppm	ASTM D5185(m) >10	<b>6</b>	1	▲ 29
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	2
Titanium	ppm	ASTM D5185(m)	<b>1</b>	0	▲ 23
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m) >25	<b>33</b>	14	● 421
Lead	ppm	ASTM D5185(m) >25	<b>0</b>	0	1
Copper	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	<1	1
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	1
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	<1

## ADDITIVES

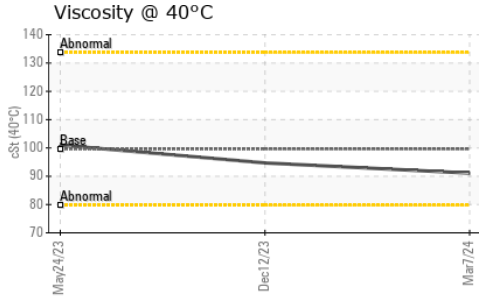
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 328	<b>190</b>	224	133
Barium	ppm	ASTM D5185(m) 1	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	0	2
Manganese	ppm	ASTM D5185(m)	<b>3</b>	<1	18
Magnesium	ppm	ASTM D5185(m) 1	<b>13</b>	6	141
Calcium	ppm	ASTM D5185(m) 7	<b>80</b>	25	765
Phosphorus	ppm	ASTM D5185(m) 1145	<b>1289</b>	1363	1397
Zinc	ppm	ASTM D5185(m) 3	<b>56</b>	12	19
Sulfur	ppm	ASTM D5185(m) 17909	<b>21261</b>	22241	23320
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>138</b>	50	▲ 1421
Sodium	ppm	ASTM D5185(m)	<b>8</b>	3	65
Potassium	ppm	ASTM D5185(m) >20	<b>13</b>	7	173



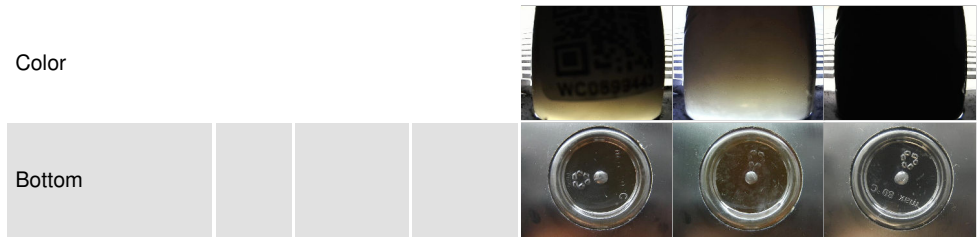
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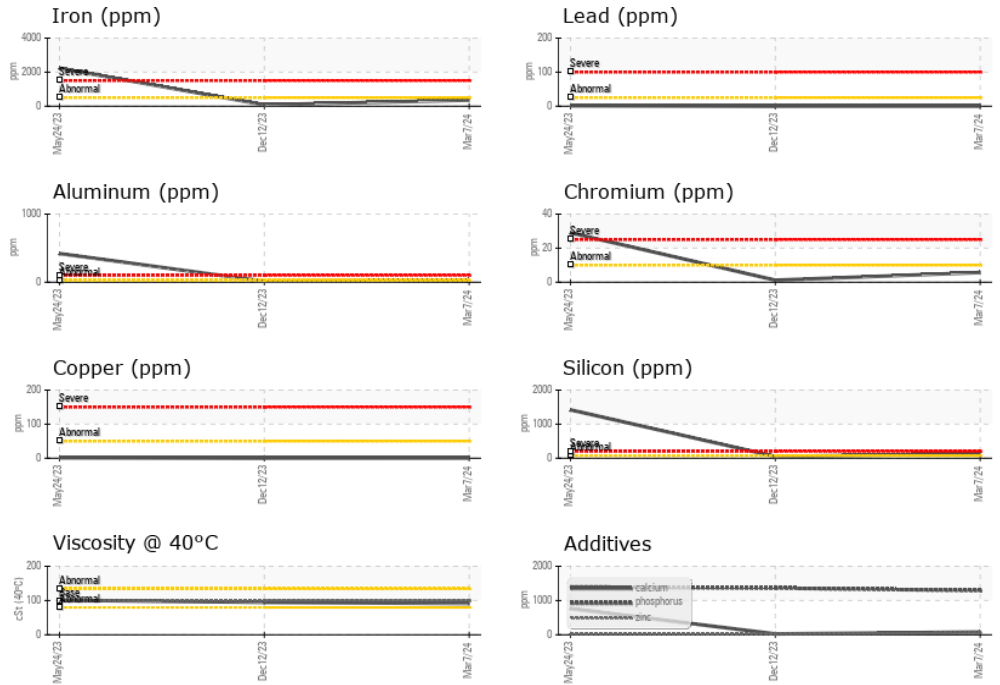
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	VLITE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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)	99.6	<b>91.1</b>	94.7	101

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.** : WC0899443  
**Lab Number** : 02621155  
**Unique Number** : 5746274  
**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.

T:  
F: