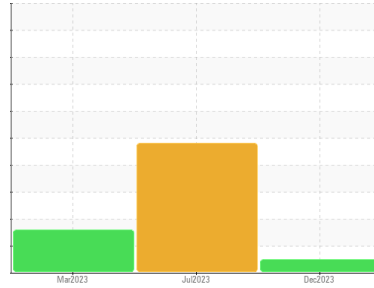




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**ORIN CONTRACTORS**  
 Machine Id  
**160**  
 Component  
**Left Final Drive**  
 Fluid  
**PETRO CANADA TRAXON 80W90 (--- 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>WC0872992</b>	LH0270778	LH0218882
Sample Date	Client Info		<b>06 Dec 2023</b>	18 Jul 2023	06 Mar 2023
Machine Age	hrs	Client Info	<b>0</b>	1050	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>	ABNORMAL	ABNORMAL

## 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
PQ	ASTM D8184*		<b>86</b>	234	87
Iron	ppm	ASTM D5185(m) >500	<b>878</b>	▲ 2417	▲ 1425
Chromium	ppm	ASTM D5185(m) >10	<b>9</b>	▲ 26	▲ 14
Nickel	ppm	ASTM D5185(m) >10	<b>2</b>	6	4
Titanium	ppm	ASTM D5185(m)	<b>1</b>	▲ 11	3
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m) >25	<b>31</b>	▲ 170	43
Lead	ppm	ASTM D5185(m) >25	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m) >50	<b>2</b>	6	3
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

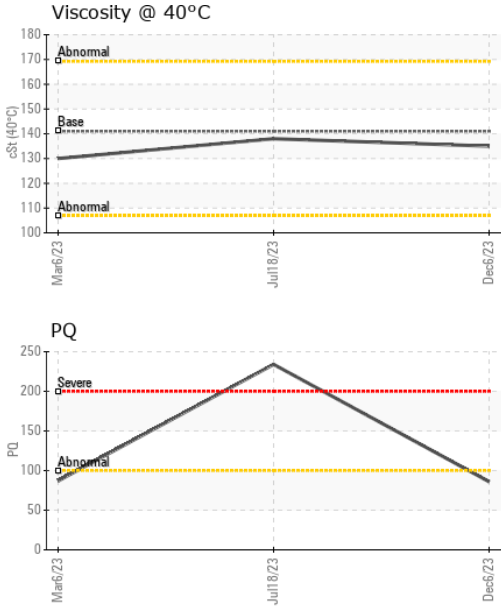
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 243	<b>206</b>	170	199
Barium	ppm	ASTM D5185(m) 1	<b>0</b>	3	0
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	1	<1
Manganese	ppm	ASTM D5185(m)	<b>6</b>	21	11
Magnesium	ppm	ASTM D5185(m) 2	<b>10</b>	55	17
Calcium	ppm	ASTM D5185(m) 6	<b>75</b>	356	107
Phosphorus	ppm	ASTM D5185(m) 987	<b>981</b>	969	1036
Zinc	ppm	ASTM D5185(m) 1	<b>12</b>	27	26
Sulfur	ppm	ASTM D5185(m) 21530	<b>17694</b>	21515	19687
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>158</b>	▲ 753	184
Sodium	ppm	ASTM D5185(m)	<b>9</b>	41	13
Potassium	ppm	ASTM D5185(m) >20	<b>10</b>	62	16



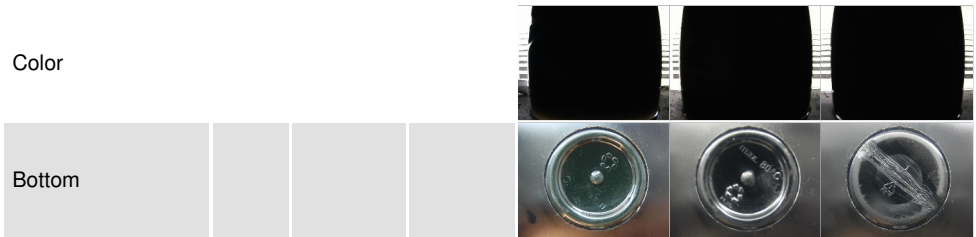
# OIL ANALYSIS REPORT



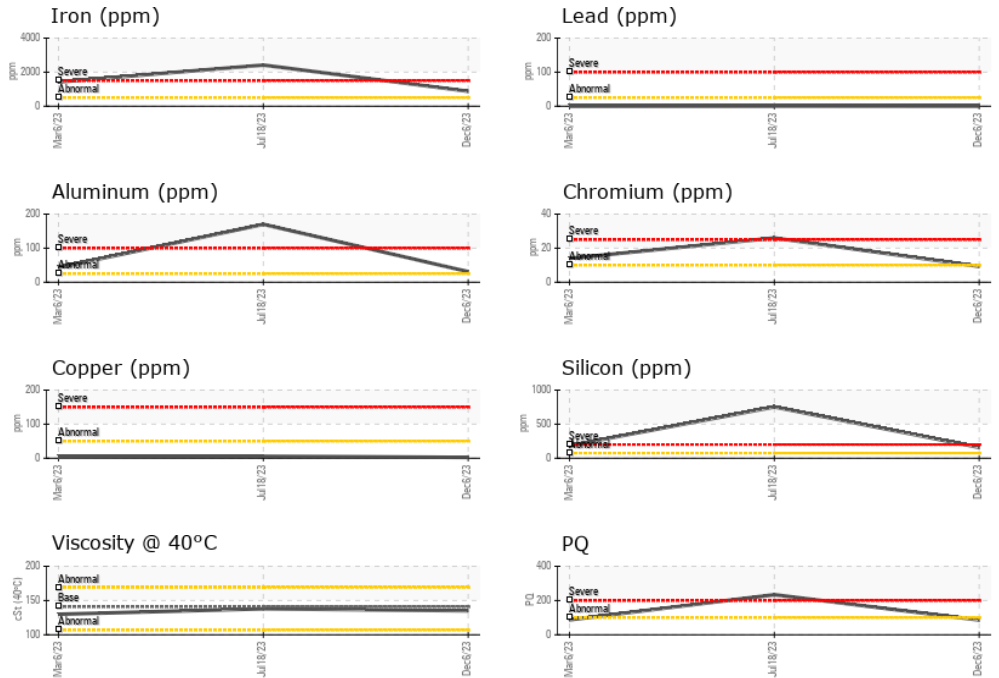
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	VLITE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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	135	138

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **RONI/IRON SHORE EXCAVATING LTD.**  
**Sample No.** : WC0872992 **Received** : 14 Dec 2023 **100 MACINTOSH BLVD**  
**Lab Number** : 02603308 **Diagnosed** : 18 Dec 2023 **VAUGHAN, ON**  
**Unique Number** : 5696393 **Diagnostician** : Kevin Marson **CA L4K 4P3**  
**Test Package** : MOBCE ( Additional Tests: PQ, Visual ) **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.