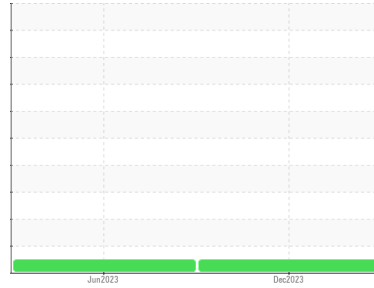




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
IRON SHORING
 Machine Id
100-037
 Component
Right Final Drive
 Fluid
NOT GIVEN (--- 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		WC0872918	LH0265811	---
Sample Date	Client Info		06 Dec 2023	06 Jun 2023	---
Machine Age	hrs	Client Info	0	1543	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	Changed	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>500	319	290	---
Chromium	ppm	ASTM D5185(m)	>10	6	6	---
Nickel	ppm	ASTM D5185(m)	>10	1	<1	---
Titanium	ppm	ASTM D5185(m)		4	5	---
Silver	ppm	ASTM D5185(m)		<1	0	---
Aluminum	ppm	ASTM D5185(m)	>25	66	73	---
Lead	ppm	ASTM D5185(m)	>25	2	1	---
Copper	ppm	ASTM D5185(m)	>50	70	55	---
Tin	ppm	ASTM D5185(m)	>10	<1	<1	---
Antimony	ppm	ASTM D5185(m)	>5	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	<1	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES

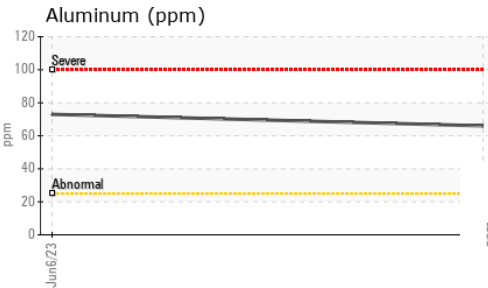
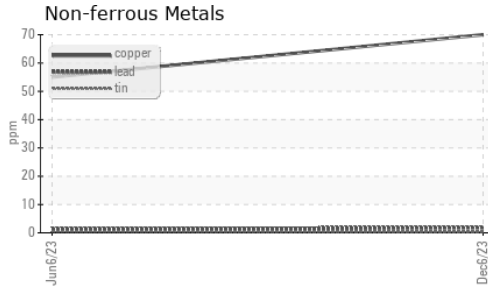
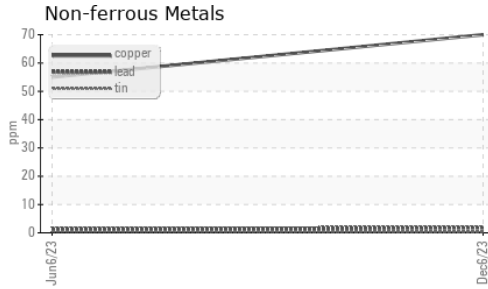
	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		5	7	---
Barium	ppm	ASTM D5185(m)		3	4	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		7	7	---
Magnesium	ppm	ASTM D5185(m)		21	23	---
Calcium	ppm	ASTM D5185(m)		198	220	---
Phosphorus	ppm	ASTM D5185(m)		171	196	---
Zinc	ppm	ASTM D5185(m)		71	67	---
Sulfur	ppm	ASTM D5185(m)		8061	7826	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>75	204	214	---
Sodium	ppm	ASTM D5185(m)		32	37	---
Potassium	ppm	ASTM D5185(m)	>20	25	26	---



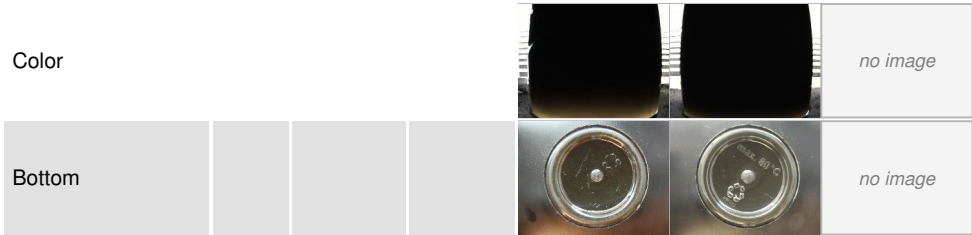
OIL ANALYSIS REPORT



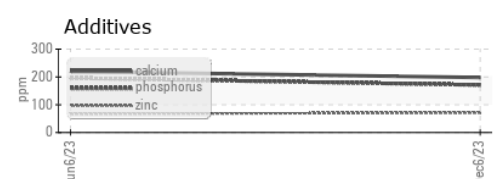
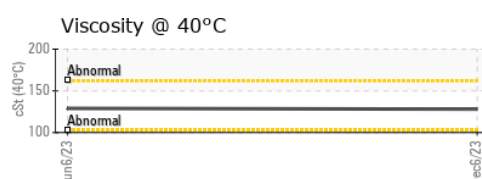
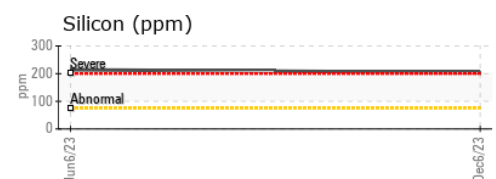
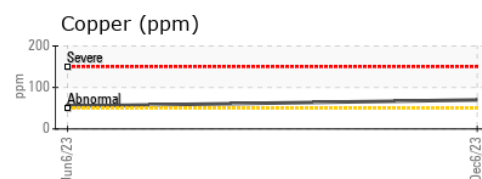
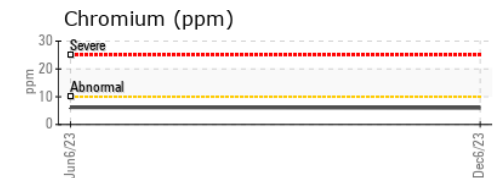
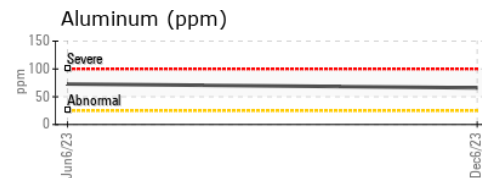
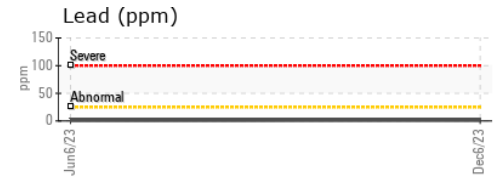
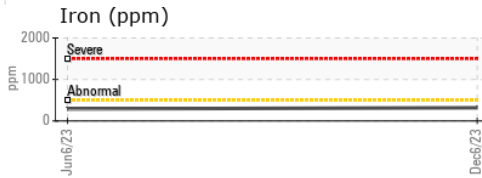
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	128	129	---

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. : WC0872918 **Received** : 14 Dec 2023 **100 MACINTOSH BLVD**
Lab Number : 02603312 **Diagnosed** : 18 Dec 2023 **VAUGHAN, ON**
Unique Number : 5696397 **Diagnostician** : Kevin Marson **CA L4K 4P3**
Test Package : MOBCE (Additional Tests: 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.