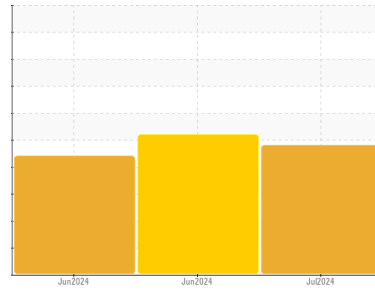




# COOLANT REPORT

## Sample Rating Trend



SCAS



Machine Id  
**GLYCOL**  
 Component  
**Coolant**  
 Fluid

**HYBRID (HOAT) COOLANT (--- GAL)**

### DIAGNOSIS

#### ▲ Recommendation

Nous recommandons que vous vidangiez le système et que vous le remplissiez avec un mélange 50/50 eau/antigel. Nous vous conseillons de reconstituer les additifs refroidisseurs supplémentaires, (SCA - supplemental coolant additives) et d'en ajouter selon les indications du fabricant. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

#### ▲ Corrosion

La concentration des métaux est élevée indiquant la présence de corrosion dans le système.

#### Contaminants

Il n'y a aucun indice de contamination dans l'agent de refroidissement.

#### ▲ Coolant Condition

La réserve d'alcalinité de ce fluide est anormalement basse. Le bas niveau de nitrites indique une réduction de la protection contre la cavitation qui peut entraîner de la corrosion et la formation d'ammoniaque. Le pH est bas et peut entraîner la formation de rouille.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0946799</b>	WC0946808	WC0946810
Sample Date	Client Info		<b>02 Jul 2024</b>	25 Jun 2024	17 Jun 2024
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>N/A</b>	N/A	N/A
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

### PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		<b>---</b>	---	UNK
Specific Gravity	ASTM D1298*		<b>1.061</b>	▲ 1.057	▲ 1.056
pH	Scale 0-14 ASTM D1287*		<b>▲ 6.00</b>	▲ 6.02	▲ 5.88
Nitrites	ppm Alcan Test Kit*		<b>▲ 80</b>	▲ 80	▲ 280
Reserve Alkalinity	Scale 0-20 ASTM D1121*		<b>▲ 1.4</b>	▲ 0.1	▲ 0.1
Percentage Glycol	% ASTM D3321*		<b>45.0</b>	42.6	41.4
Freezing Point	°C ASTM D3321*		<b>-31</b>	-27	-26
Carboxylate			<b>---</b>	---	---

### CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)		<b>6</b>	1	2
Phosphorus	ppm ASTM D5185(m)		<b>8</b>	2	5
Boron	ppm ASTM D5185(m)		<b>27</b>	7	24
Molybdenum	ppm ASTM D5185(m)		<b>4</b>	0	2

### CORROSION

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m)	>15	<b>0</b>	<1	0
Aluminum	ppm ASTM D5185(m)	>10	<b>0</b>	0	<1
Copper	ppm ASTM D5185(m)	>10	<b>▲ 12</b>	▲ 13	9
Lead	ppm ASTM D5185(m)	>10	<b>0</b>	0	0
Tin	ppm ASTM D5185(m)	>10	<b>0</b>	0	0
Silver	ppm ASTM D5185(m)	>10	<b>0</b>	0	0
Zinc	ppm ASTM D5185(m)		<b>2</b>	2	1

### CARRIER SALTS

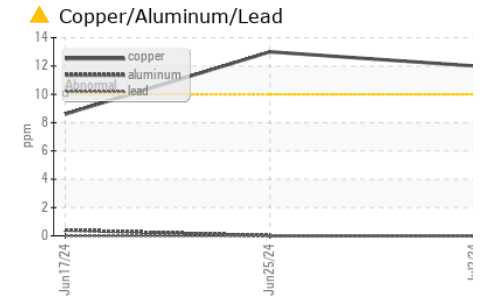
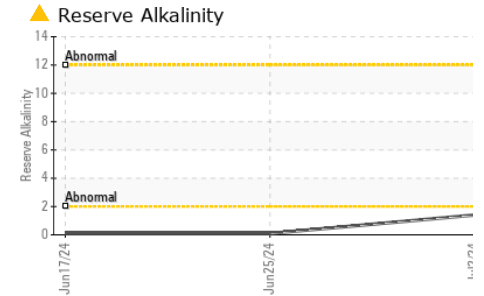
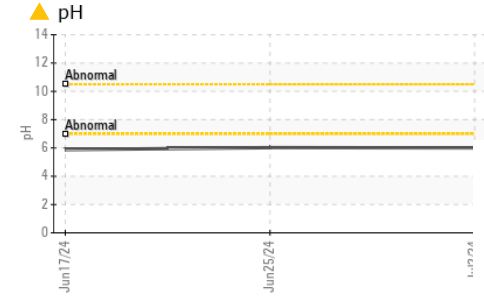
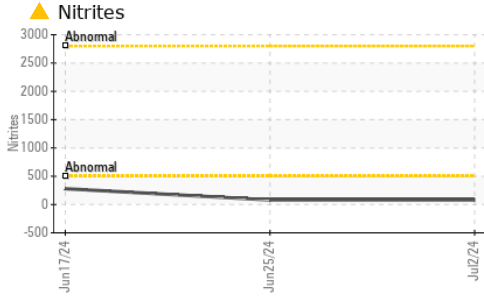
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D5185(m)		<b>66</b>	13	68
Potassium	ppm ASTM D5185(m)		<b>0</b>	0	12

### SCALE POTENTIAL

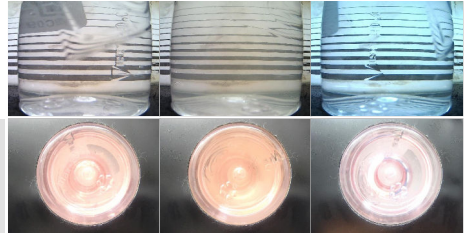
	method	limit/base	current	history1	history2
Calcium	ppm ASTM D5185(m)	>100	<b>6</b>	4	5
Magnesium	ppm ASTM D5185(m)	>40	<b>1</b>	2	1
Hardness	mg/L CaCO3 In-house*	<75	<b>20</b>	16	19



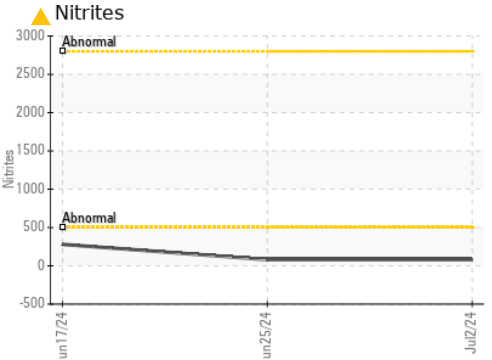
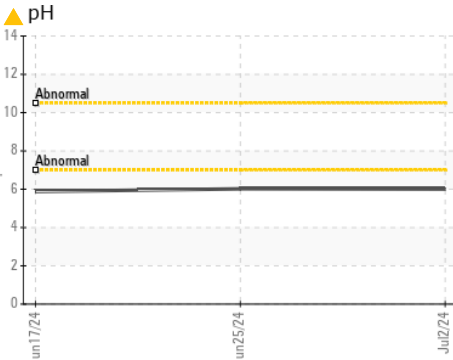
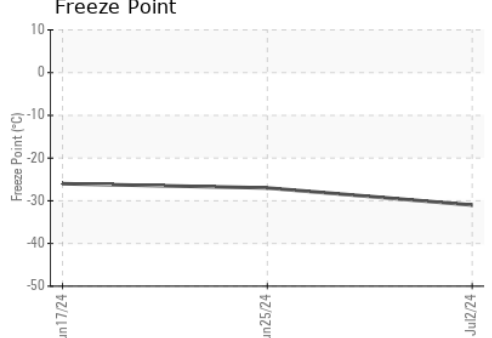
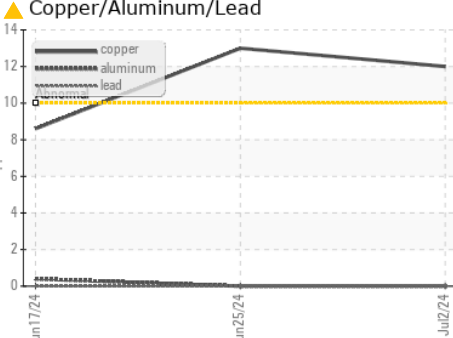
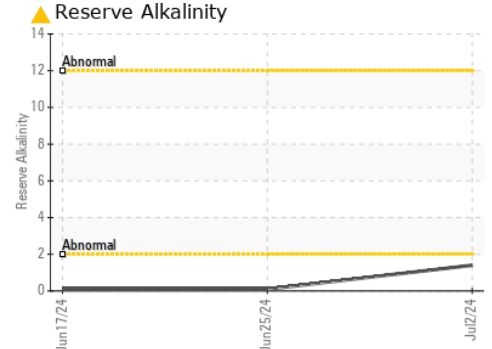
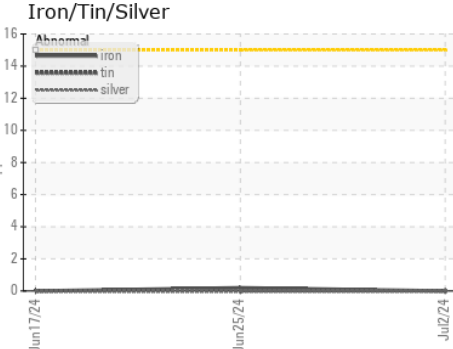
# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	Visual*		Other	Other	Other
Coolant Appearance	Visual*	Clear	Clear	Clear	Clear
Color					
Bottom					



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0946799 **Received** : 05 Jul 2024  
**Lab Number** : 02645986 **Tested** : 10 Jul 2024  
**Unique Number** : 5811538 **Diagnosed** : 10 Jul 2024 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: GlycolType )

**RTA - ALMA**  
 3000 RUE DES PINS OUEST, BATISSE 7103 MEZZALINE  
 ALMA, QC  
 CA G8B 6T3  
 Contact: Guy Dufour  
 guy.dufour-almacou@riotinto.com

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: (418)480-6004