



# COOLANT REPORT

CORROSION	<b>NORMAL</b>
CONTAMINANTS	<b>ABNORMAL</b>
COOLANT CONDITION	<b>NORMAL</b>

Area  
**SB GEN**  
Machine Id  
**SIEMENS Generator (S/N B0A0007)**  
Component  
**Lower Coolant**  
Fluid  
**HYBRID (HOAT) COOLANT (--- GAL)**

## RECOMMENDATION

Drain system and refill with 50/50 premix of manufacturer recommended coolant. ( Customer Sample Comment: coolant before a cleanse happened in the glycol loop )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0932364</b>	---	---
Sample Date		Client Info		<b>04 Jun 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>50</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

## CORROSION

All metal levels are normal indicating no corrosion in the cooling system.

Iron	ppm	ASTM D5185(m)	>15	<b>1</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Zinc	ppm	ASTM D5185(m)	>10	<b>5</b>	---	---

## CONTAMINANTS

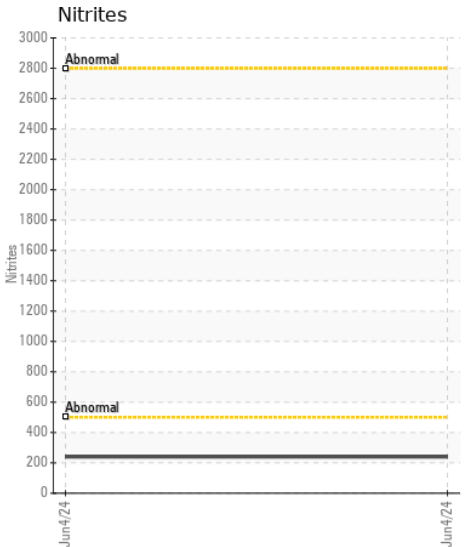
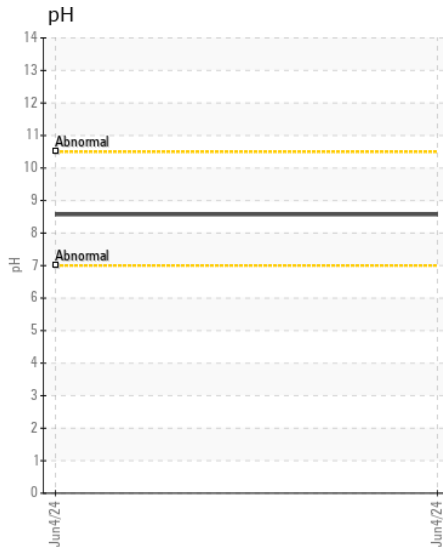
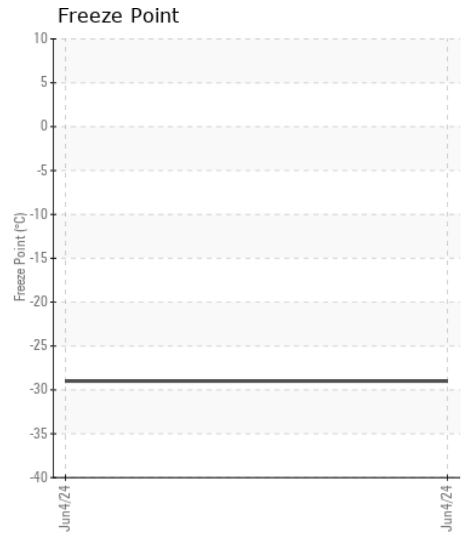
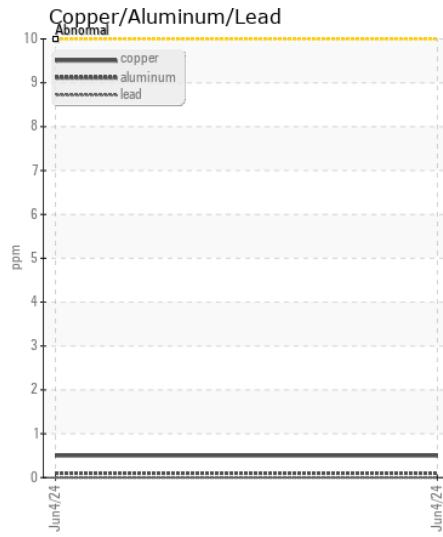
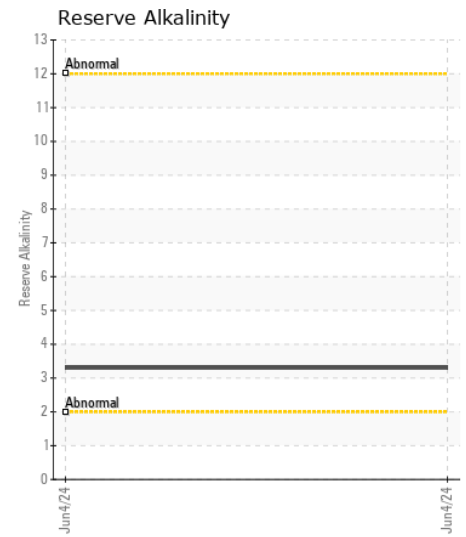
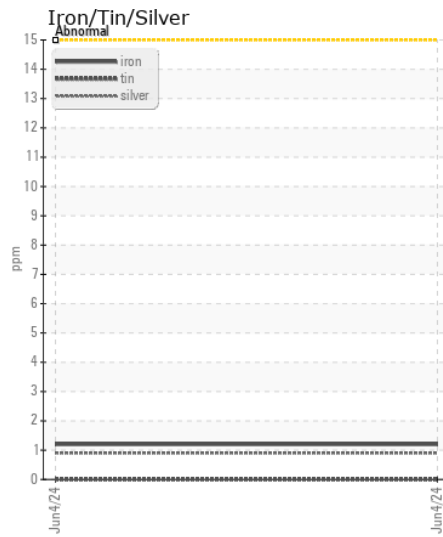
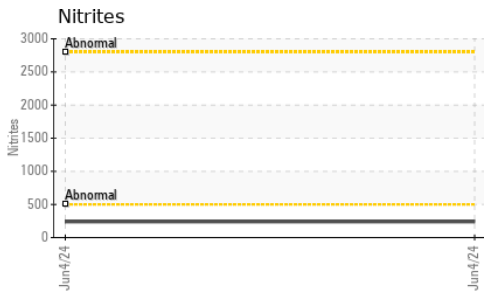
Hardness is elevated. Elevated hardness can allow scale formation that will reduce cooling system effectiveness.

Calcium	ppm	ASTM D5185(m)	>100	<b>26</b>	---	---
Magnesium	ppm	ASTM D5185(m)	>40	<b>3</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Coolant Appearance		Visual*	Clear	<b>Clear</b>	---	---

## COOLANT CONDITION

The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

Boiling Point	°C	WC Method*		<b>106</b>	---	---
Specific Gravity		ASTM D1298*		<b>1.060</b>	---	---
pH	Scale 0-14	ASTM D1287*		<b>8.57</b>	---	---
Nitrites	ppm	Alcan Test Kit*		<b>240</b>	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>3.3</b>	---	---
Percentage Glycol	%	ASTM D3321*		<b>44.8</b>	---	---
Freezing Point	°C	ASTM D3321*		<b>-29</b>	---	---
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>2</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>6</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>7</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>3921</b>	---	---
Potassium	ppm	ASTM D5185(m)		<b>6</b>	---	---
Coolant Color		Visual*		<b>Pink</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0932364  
**Lab Number** : 02641288  
**Unique Number** : 5798827  
**Test Package** : COOL ( Additional Tests: GlycolType )  
**Received** : 11 Jun 2024  
**Tested** : 12 Jun 2024  
**Diagnosed** : 12 Jun 2024 - Kevin Marson

**Watch Tower Bible and Tract Society of Canada**  
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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.