



**POWER SYSTEMS**  
**SYSTÈMES DE PUISSANCE**

**COOLANT REPORT**

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

Area  
**SOUTHLAKE HOSPITAL - POWER PLANT [273409]**  
Machine Id  
**STAMFORD 0110442/01 SOUTHLAKE - 750KW at 600V**

Component  
**Coolant**  
Fluid  
**HYBRID (HOAT) COOLANT (--- LTR)**

**RECOMMENDATION**

The fluid is suitable for further service. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WA0021247</b>	WA0019528	WA0013632
Sample Date		Client Info		<b>29 Apr 2024</b>	26 Apr 2023	27 May 2020
Machine Age	hrs	Client Info		<b>802</b>	1217	501
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

**CORROSION**

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

Iron	ppm	ASTM D5185(m)	>15	<b>4</b>	11	▲ 24
Aluminum	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	2	2
Copper	ppm	ASTM D5185(m)	>10	<b>8</b>	10	▲ 15
Lead	ppm	ASTM D5185(m)	>10	<b>4</b>	9	▲ 33
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	3
Silver	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Zinc	ppm	ASTM D5185(m)	>10	<b>3</b>	4	6

**CONTAMINANTS**

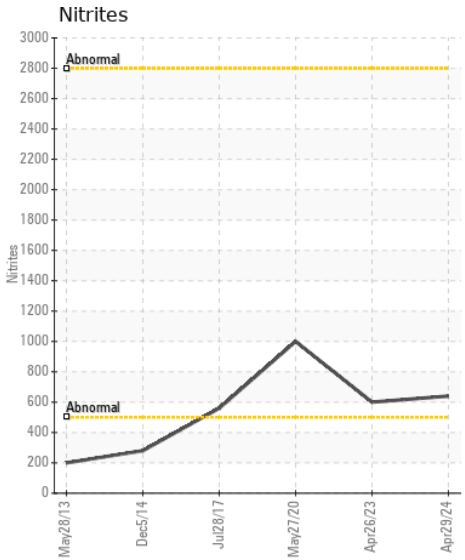
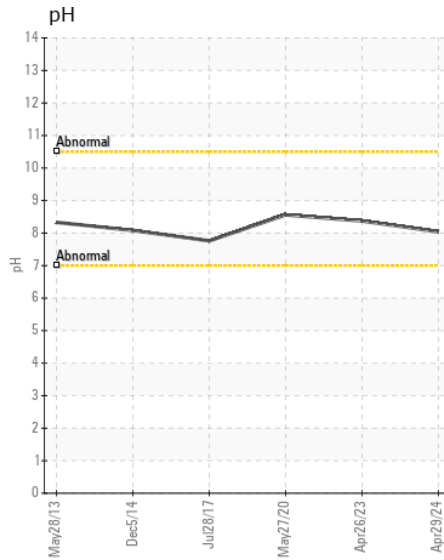
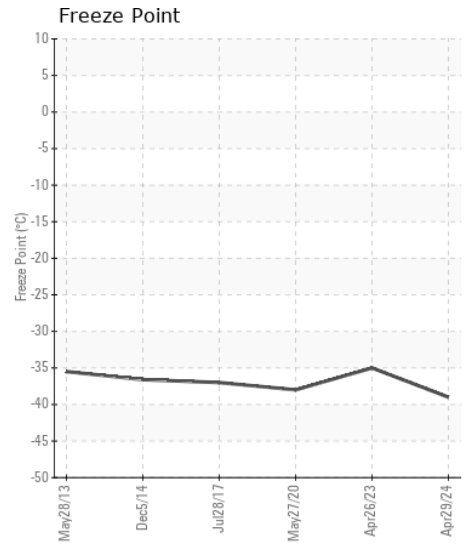
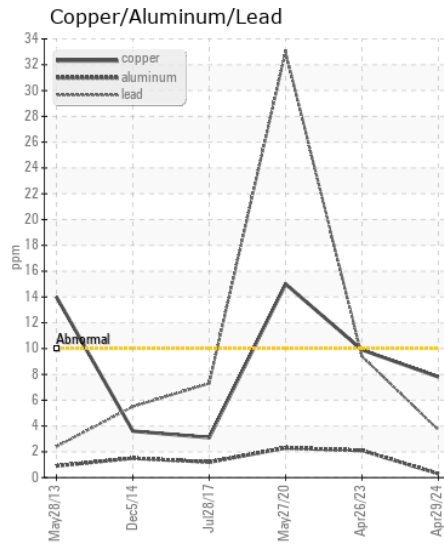
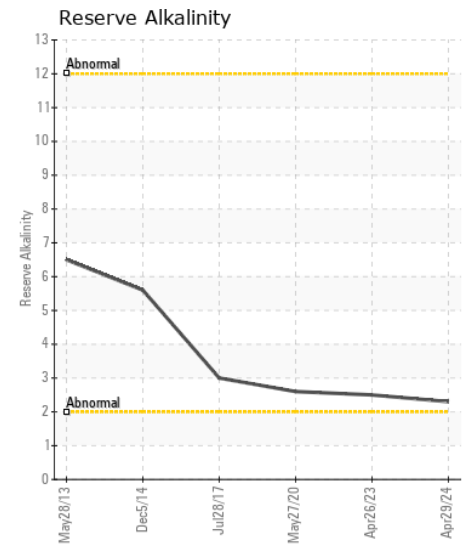
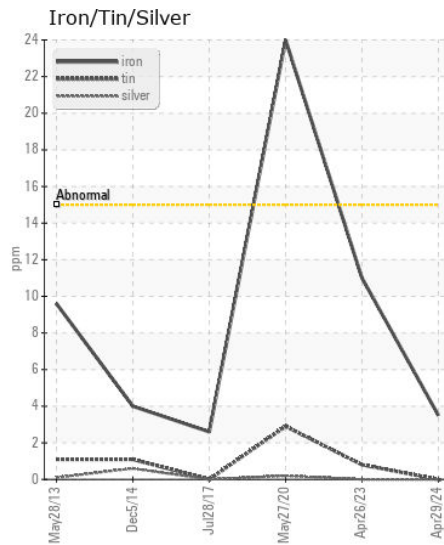
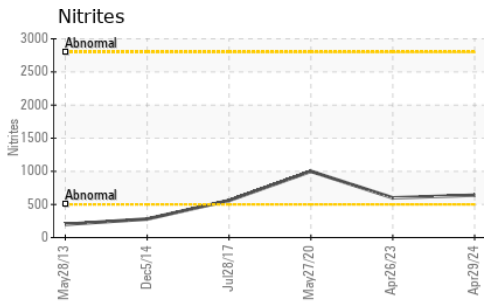
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>1</b>	2	2
Magnesium	ppm	ASTM D5185(m)	>40	<b>1</b>	2	2
Appearance	scalar	Visual*	NORML	<b>HAZY</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Coolant Appearance		Visual*	Clear	<b>Cloudy</b>	▲ Very old	▲ Very old

**COOLANT CONDITION**

The nitrite level is acceptable. 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>108</b>	---	---
Specific Gravity		ASTM D1298*		<b>1.069</b>	1.068	1.067
pH	Scale 0-14	ASTM D1287*		<b>8.04</b>	8.37	8.56
Nitrites	ppm	Alcan Test Kit*		<b>640</b>	600	1000
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>2.3</b>	2.5	2.6
Percentage Glycol	%	ASTM D3321*		<b>51.2</b>	50.9	50.0
Freezing Point	°C	ASTM D3321*		<b>-39</b>	-35	-38
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>13</b>	11	9
Phosphorus	ppm	ASTM D5185(m)		<b>10</b>	11	66
Boron	ppm	ASTM D5185(m)		<b>188</b>	240	227
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	2	4
Sodium	ppm	ASTM D5185(m)		<b>1967</b>	1692	1656
Potassium	ppm	ASTM D5185(m)		<b>695</b>	729	693
Coolant Color		Visual*		<b>Green</b>	Grn/Yellow	Green



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0021247 **Received** : 06 May 2024  
**Lab Number** : 02633685 **Tested** : 07 May 2024  
**Unique Number** : 5774838 **Diagnosed** : 07 May 2024 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: GlycolType )

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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.