



# COOLANT REPORT

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

Area  
**THE QUEEN CITY YACHT CLUB**

Machine Id  
**CKS01046**

Component  
**Coolant**

Fluid  
**EXTENDED LIFE COOLANT (--- GAL)**

## 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>PP</b>	PP	---
Sample Date		Client Info		<b>22 Apr 2024</b>	12 Apr 2024	---
Machine Age	hrs	Client Info		<b>15473</b>	5454	---
Oil Age	hrs	Client Info		<b>9</b>	100	---
Oil Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

## CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>3</b>	7	---
Copper	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Zinc	ppm	ASTM D5185(m)	>10	<b>2</b>	2	---

## CONTAMINANTS

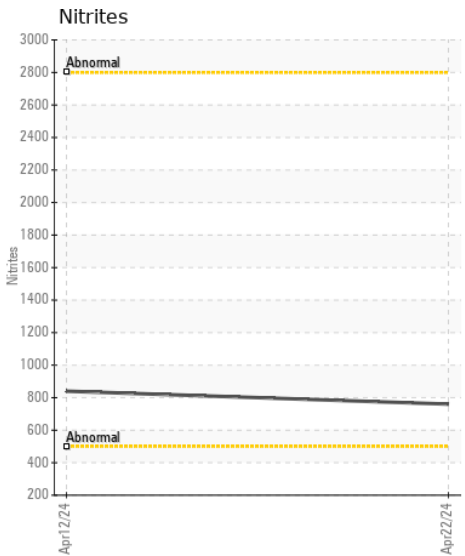
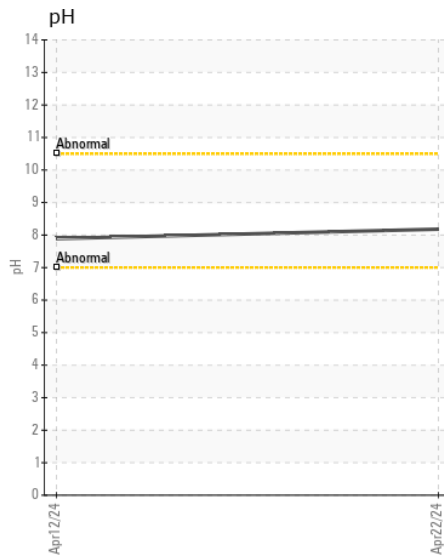
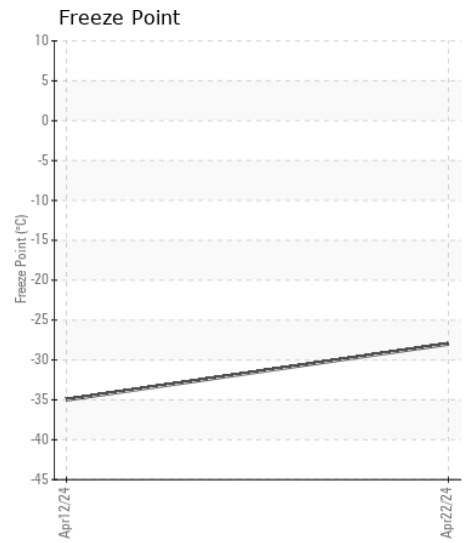
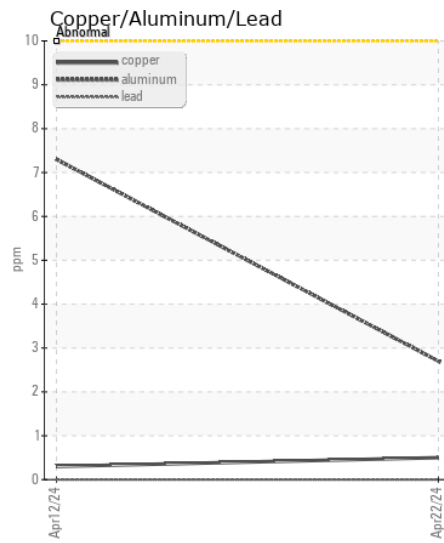
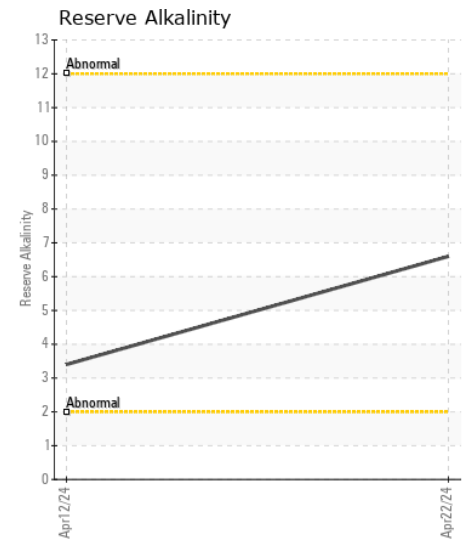
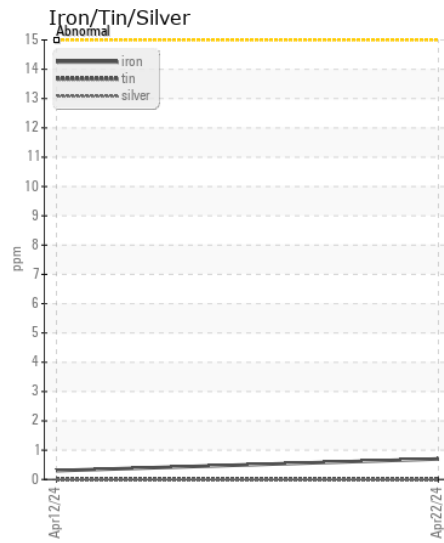
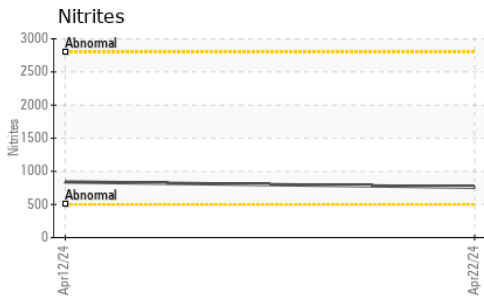
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>6</b>	8	---
Magnesium	ppm	ASTM D5185(m)	>40	<b>2</b>	2	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	▲ LAYRD	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Coolant Appearance		Visual*	Clear	<b>Clear</b>	---	---

## 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>106</b>	107	---
Specific Gravity		ASTM D1298*		<b>1.059</b>	1.065	---
pH	Scale 0-14	ASTM D1287*	9.0	<b>8.18</b>	7.89	---
Nitrites	ppm	Alcan Test Kit*		<b>760</b>	840	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>6.6</b>	3.4	---
Percentage Glycol	%	ASTM D3321*	50	<b>43.3</b>	48.2	---
Freezing Point	°C	ASTM D3321*	-40	<b>-28</b>	-35	---
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>17</b>	13	---
Phosphorus	ppm	ASTM D5185(m)		<b>16</b>	8	---
Boron	ppm	ASTM D5185(m)		<b>4</b>	11	---
Molybdenum	ppm	ASTM D5185(m)		<b>490</b>	578	---
Sodium	ppm	ASTM D5185(m)		<b>4572</b>	5060	---
Potassium	ppm	ASTM D5185(m)		<b>75</b>	21	---
Coolant Color		Visual*	Orange/R	<b>Orange</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PP  
**Lab Number** : 02630801  
**Unique Number** : 5763933  
**Test Package** : COOL ( Additional Tests: GlycolType )  
**Received** : 22 Apr 2024  
**Tested** : 22 Apr 2024  
**Diagnosed** : 22 Apr 2024 - Kevin Marson

**Toromont CAT - Power Systems**  
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 Brampton, ON  
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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.

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F: