



# COOLANT REPORT

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

Machine Id  
**L14-2212 SME Coolant (S/N T2P00700)**  
 Component  
**Starboard Coolant**  
 Fluid  
**CAT EXTENDED LIFE COOLANT (ELC) (160 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>WC0821976</b>	WC0341483	WC0341462
Sample Date		Client Info		<b>04 May 2024</b>	23 Apr 2020	21 Apr 2020
Machine Age	hrs	Client Info		<b>23226</b>	17676	17651
Oil Age	hrs	Client Info		<b>8</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	N/A	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>10	<b>1</b>	2	5
Copper	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	0
Zinc	ppm	ASTM D5185(m)	>10	<b>2</b>	0	5

## CONTAMINANTS

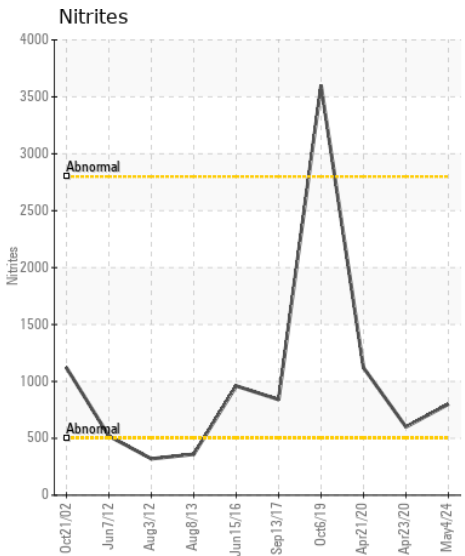
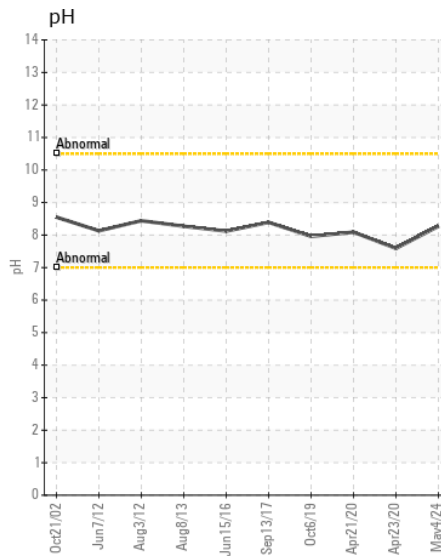
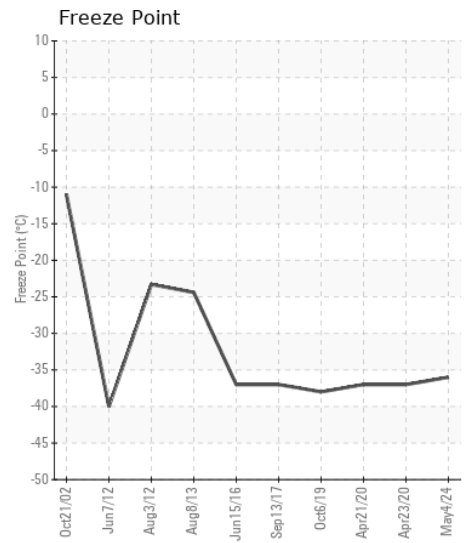
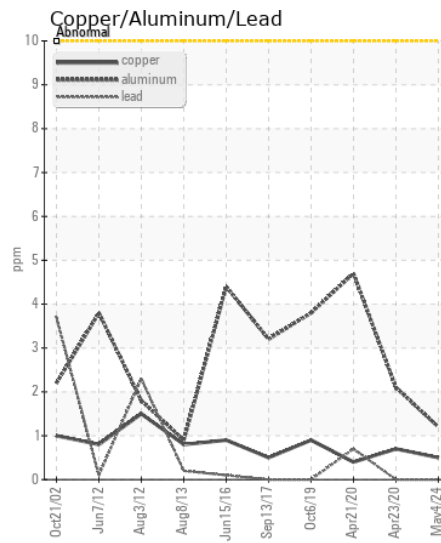
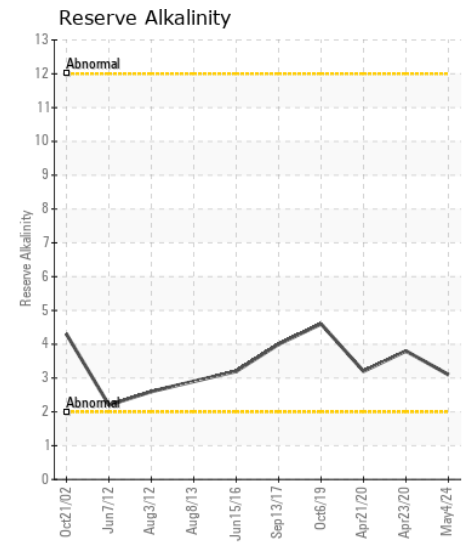
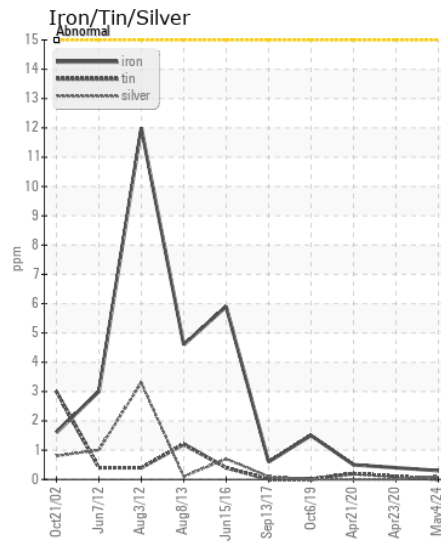
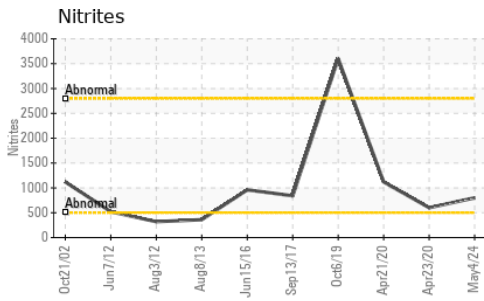
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>6</b>	5	10
Magnesium	ppm	ASTM D5185(m)	>40	<b>2</b>	3	2
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Coolant Appearance		Visual*	Clear	<b>Cloudy</b>	Clear	Clear

## 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>107</b>	---	---
Specific Gravity		ASTM D1298*	1.070	<b>1.067</b>	1.067	1.067
pH	Scale 0-14	ASTM D1287*	8.3	<b>8.27</b>	7.59	8.09
Nitrites	ppm	Alcan Test Kit*	550	<b>800</b>	600	1120
Reserve Alkalinity	Scale 0-20	ASTM D1121*	5.5	<b>3.1</b>	3.8	3.2
Percentage Glycol	%	ASTM D3321*	50	<b>49.3</b>	50.0	50.0
Freezing Point	°C	ASTM D3321*	-37	<b>-36</b>	-37	-37
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)	0	<b>9</b>	10	9
Phosphorus	ppm	ASTM D5185(m)	0	<b>6</b>	2	4
Boron	ppm	ASTM D5185(m)	0	<b>4</b>	2	16
Molybdenum	ppm	ASTM D5185(m)	950	<b>575</b>	528	604
Sodium	ppm	ASTM D5185(m)		<b>5702</b>	3324	3667
Potassium	ppm	ASTM D5185(m)		<b>15</b>	36	29
Coolant Color		Visual*	Red	<b>Orange</b>	Orange	Red



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0821976 **Received** : 04 Jun 2024  
**Lab Number** : 02639724 **Tested** : 04 Jun 2024  
**Unique Number** : 5788886 **Diagnosed** : 05 Jun 2024 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: GlycolType )

**CANADIAN COAST GUARD**  
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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.