



# COOLANT REPORT

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

Machine Id  
**L14-071 Emergency Generator (S/N C6T00186)**

Component  
**Coolant**

Fluid  
**CAT EXTENDED LIFE COOLANT (ELC) (100 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>WC0668920</b>	WC0729397	WC0570890
Sample Date		Client Info		<b>04 May 2024</b>	26 Jan 2023	29 Nov 2021
Machine Age	hrs	Client Info		<b>246</b>	185	0
Oil Age	hrs	Client Info		<b>246</b>	158	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
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>0</b>	1	<1
Aluminum	ppm	ASTM D5185(m)	>10	<b>2</b>	8	3
Copper	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	3	<1
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>10	<b>0</b>	2	<1
Zinc	ppm	ASTM D5185(m)	>10	<b>2</b>	2	<1

## CONTAMINANTS

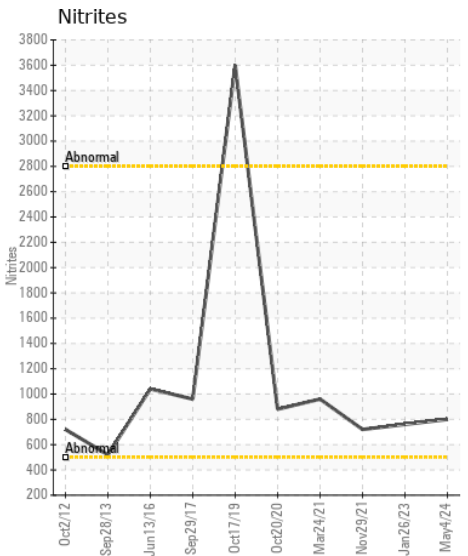
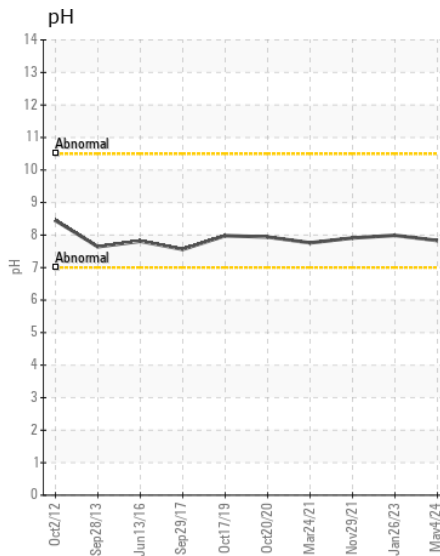
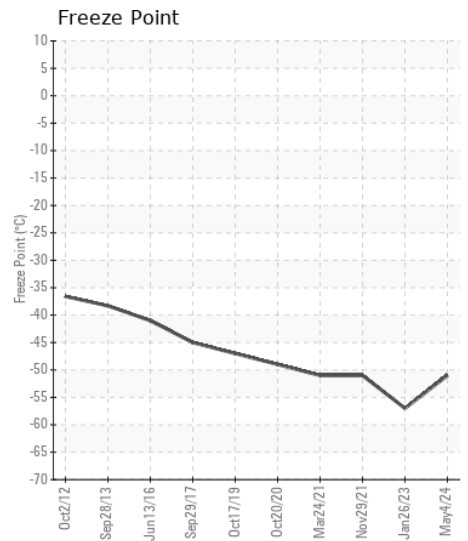
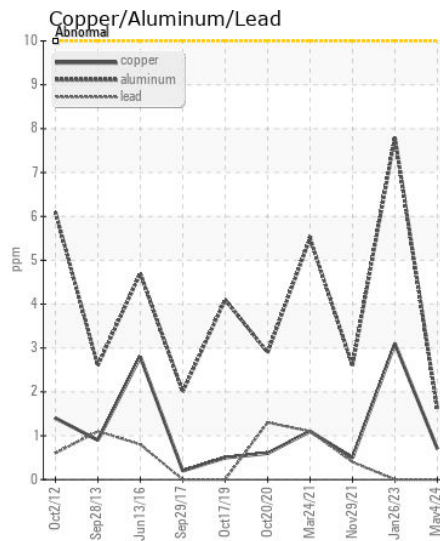
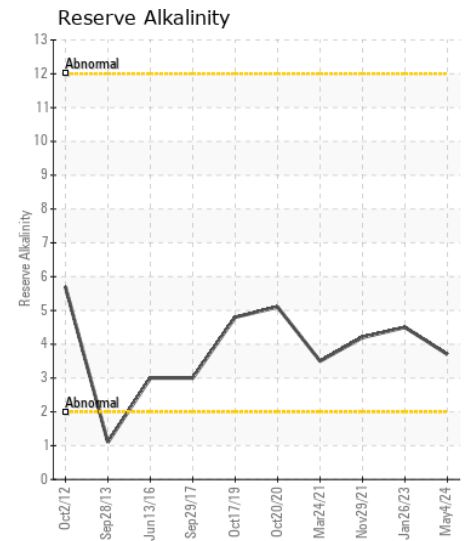
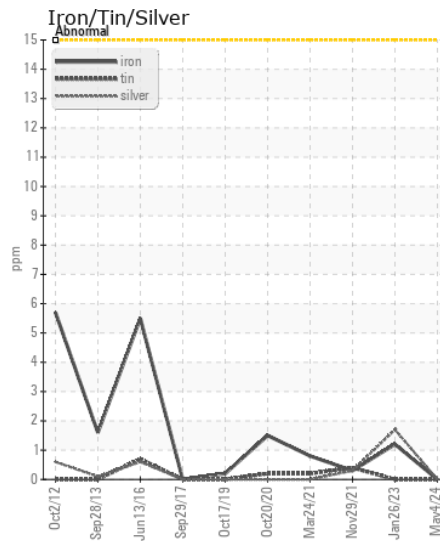
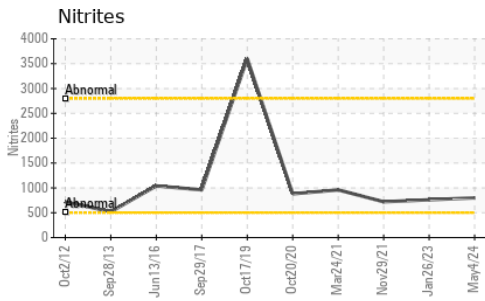
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>4</b>	7	1
Magnesium	ppm	ASTM D5185(m)	>40	<b>3</b>	4	<1
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Coolant Appearance		Visual*	Clear	<b>Clear</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>111</b>	---	---
Specific Gravity		ASTM D1298*	1.070	<b>1.081</b>	1.080	1.078
pH	Scale 0-14	ASTM D1287*	8.3	<b>7.83</b>	7.99	7.91
Nitrites	ppm	Alcan Test Kit*	550	<b>800</b>	760	720
Reserve Alkalinity	Scale 0-20	ASTM D1121*	5.5	<b>3.7</b>	4.5	4.2
Percentage Glycol	%	ASTM D3321*	50	<b>61.2</b>	60.1	59.0
Freezing Point	°C	ASTM D3321*	-37	<b>-51</b>	-57	-51
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)	0	<b>46</b>	60	7
Phosphorus	ppm	ASTM D5185(m)	0	<b>3</b>	6	2
Boron	ppm	ASTM D5185(m)	0	<b>3</b>	21	56
Molybdenum	ppm	ASTM D5185(m)	950	<b>605</b>	725	613
Sodium	ppm	ASTM D5185(m)		<b>8428</b>	4295	2531
Potassium	ppm	ASTM D5185(m)		<b>10</b>	33	30
Coolant Color		Visual*	Red	<b>Orange</b>	Orange	Red



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0668920  
**Lab Number** : 02639727  
**Unique Number** : 5788889  
**Test Package** : COOL ( Additional Tests: GlycolType )  
**Received** : 04 Jun 2024  
**Tested** : 04 Jun 2024  
**Diagnosed** : 04 Jun 2024 - Kevin Marson

**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.