



# COOLANT REPORT

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

Area  
**THE BATA SHOE MUSEUM [155221]**

Machine Id  
**44995470 UNIT #1**

Component  
**Coolant**  
Fluid  
**CONVENTIONAL 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>CU0023326</b>	CU0020959	CU0017644
Sample Date		Client Info		<b>05 Jun 2024</b>	09 Jun 2023	13 Jul 2021
Machine Age	hrs	Client Info		<b>189</b>	182	171
Oil Age	hrs	Client Info		<b>0</b>	0	4
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	10
Aluminum	ppm	ASTM D5185(m)	>10	<b>2</b>	5	4
Copper	ppm	ASTM D5185(m)	>10	<b>2</b>	5	2
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	2
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>10	<b>0</b>	0	2
Zinc	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	1

## CONTAMINANTS

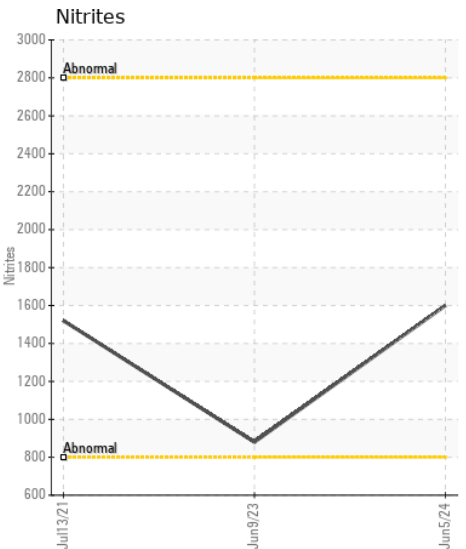
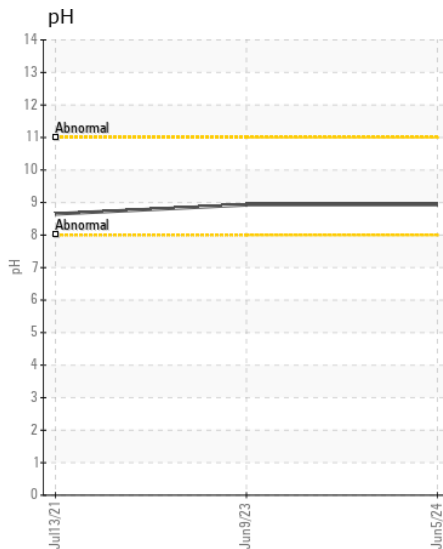
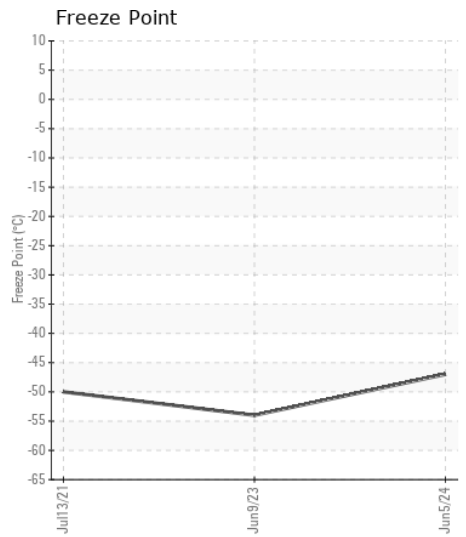
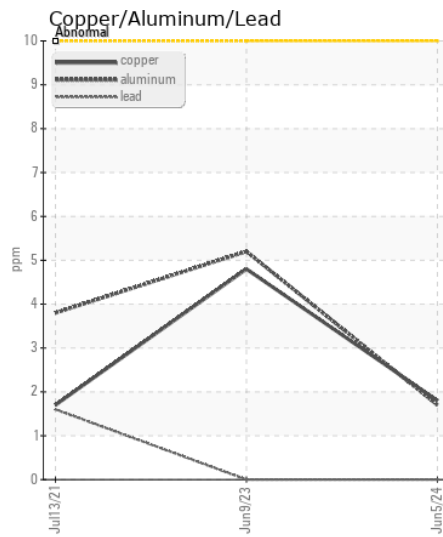
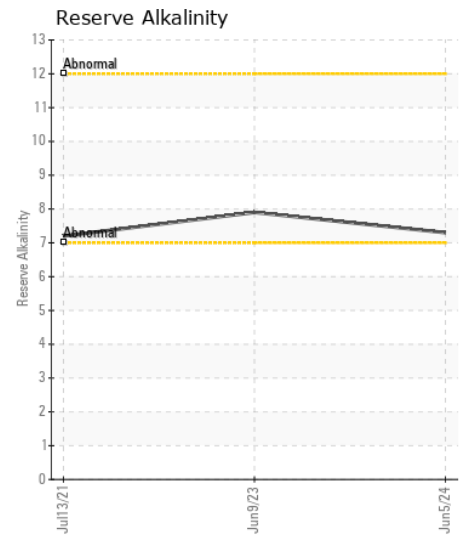
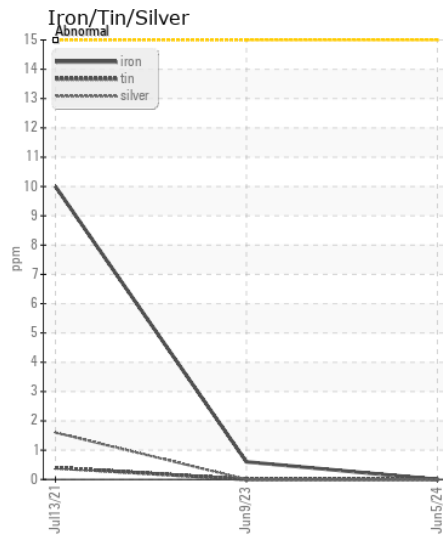
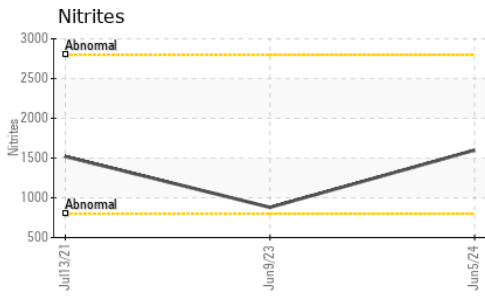
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>1</b>	2	4
Magnesium	ppm	ASTM D5185(m)	>40	<b>1</b>	<1	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	Very cld

## 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>109</b>	---	---
Specific Gravity		ASTM D1298*		<b>1.077</b>	1.077	1.078
pH	Scale 0-14	ASTM D1287*	9.5	<b>8.93</b>	8.93	8.65
Nitrites	ppm	Alcan Test Kit*	1500	<b>1600</b>	880	1520
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	<b>7.3</b>	7.9	7.2
Percentage Glycol	%	ASTM D3321*	50	<b>57.8</b>	58.0	59.0
Freezing Point	°C	ASTM D3321*	-40	<b>-47</b>	-54	-50
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>44</b>	78	49
Phosphorus	ppm	ASTM D5185(m)		<b>955</b>	1065	1031
Boron	ppm	ASTM D5185(m)		<b>242</b>	284	271
Molybdenum	ppm	ASTM D5185(m)		<b>372</b>	459	436
Sodium	ppm	ASTM D5185(m)		<b>1381</b>	1224	1201
Potassium	ppm	ASTM D5185(m)		<b>5017</b>	3069	2320
Coolant Color		Visual*	Green	<b>Other</b>	Blue	Green



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0023326 **Received** : 10 Jun 2024  
**Lab Number** : 02640890 **Tested** : 11 Jun 2024  
**Unique Number** : 5798429 **Diagnosed** : 11 Jun 2024 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: GlycolType )

**CUMMINS CANADA ULC - GENERATOR DIVISION**  
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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.