



# COOLANT REPORT

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

Area  
**[152309]**  
 Machine Id  
**679E2**  
 Component  
**Coolant**  
 Fluid  
**{not provided} (--- GAL)**

## RECOMMENDATION

Drain system and refill with 50/50 premix of manufacturer recommended coolant.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>CU0021874</b>	---	---
Sample Date		Client Info		<b>15 Jan 2024</b>	---	---
Machine Age	hrs	Client Info		<b>10526</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

## CORROSION

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

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

## CONTAMINANTS

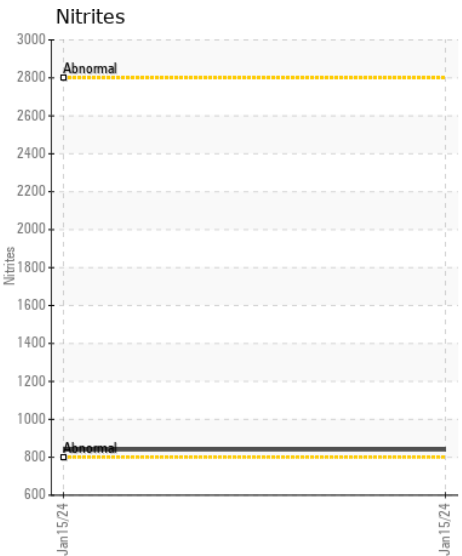
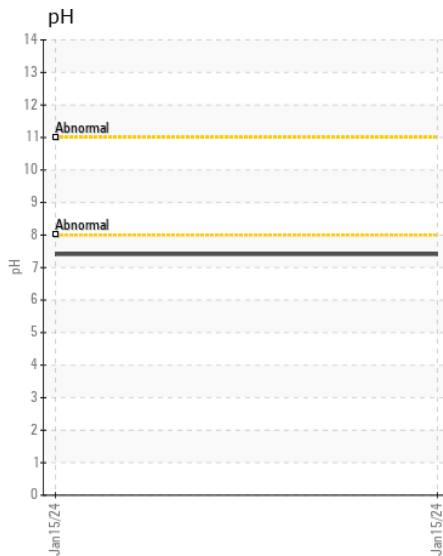
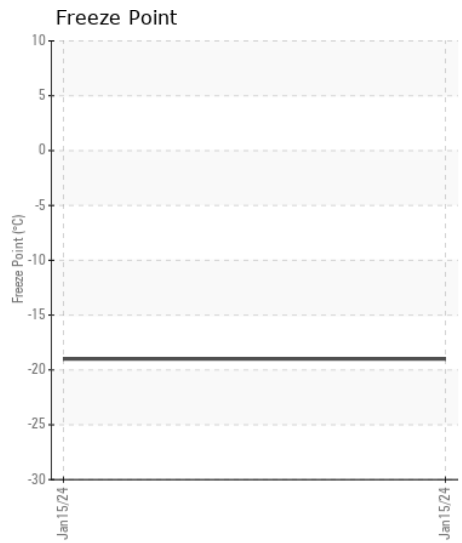
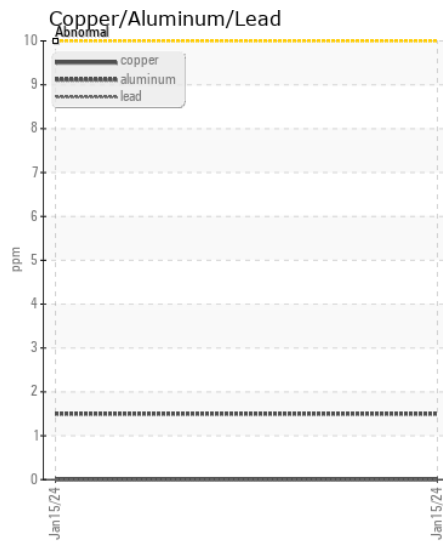
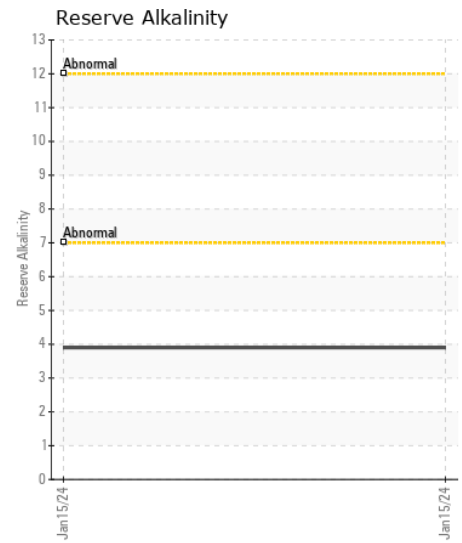
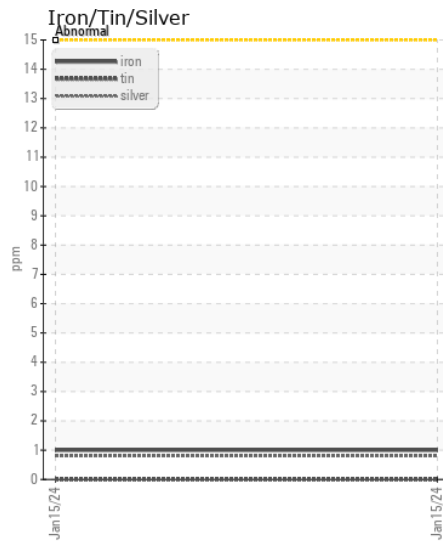
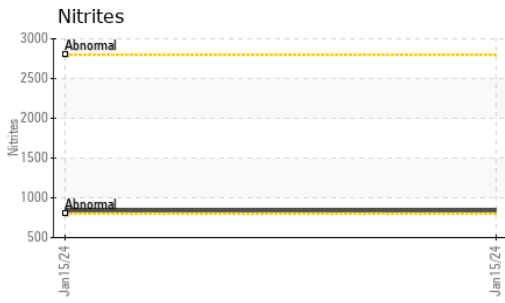
Hardness is elevated. Elevated hardness can allow scale formation that will reduce cooling system effectiveness.

Calcium	ppm	ASTM D5185(m)	>100	<b>25</b>	---	---
Magnesium	ppm	ASTM D5185(m)	>40	<b>5</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
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.

Specific Gravity		ASTM D1298*		<b>1.059</b>	---	---
pH	Scale 0-14	ASTM D1287*		<b>7.41</b>	---	---
Nitrites	ppm	Alcan Test Kit*		<b>840</b>	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>3.9</b>	---	---
Percentage Glycol	%	ASTM D3321*		<b>43.2</b>	---	---
Freezing Point	°C	ASTM D3321*		<b>-19</b>	---	---
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>24</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>9</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>17</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>157</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>10468</b>	---	---
Potassium	ppm	ASTM D5185(m)		<b>23</b>	---	---
Coolant Color		Visual*		<b>Red</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0021874 **Received** : 16 Jan 2024  
**Lab Number** : 02609142 **Diagnosed** : 19 Jan 2024  
**Unique Number** : 5710228 **Diagnostician** : Kevin Marson  
**Test Package** : COOL

**CUMMINS EASTERN CANADA LP**  
 6950 EDWARDS BLVD  
 MISSISSAUGA, ON  
 CA L5T 2W2  
 Contact: Jeffrey Moore  
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 T: (905)795-0050  
 F: (905)795-0035

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.