



# COOLANT REPORT

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

Area  
**DARLING HOME [155202]**

Machine Id  
**A170135688**

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>CU0023944</b>	---	---
Sample Date		Client Info		<b>05 Jun 2024</b>	---	---
Machine Age	hrs	Client Info		<b>202</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

## CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>3</b>	---	---
Copper	ppm	ASTM D5185(m)	>10	<b>1</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>2</b>	---	---

## CONTAMINANTS

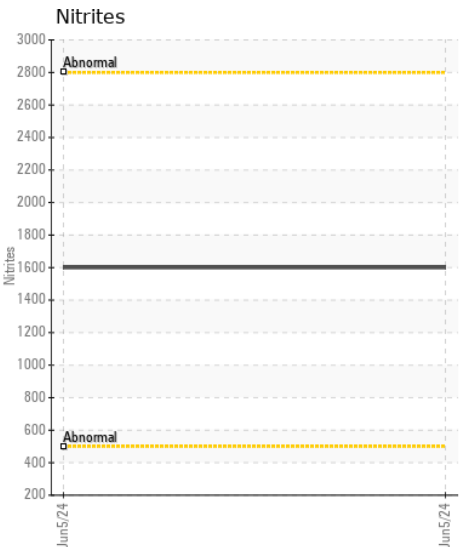
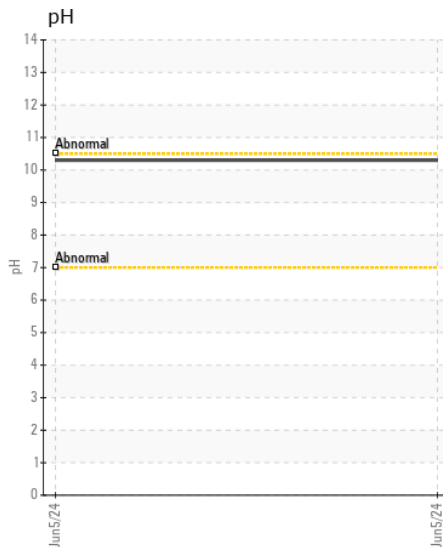
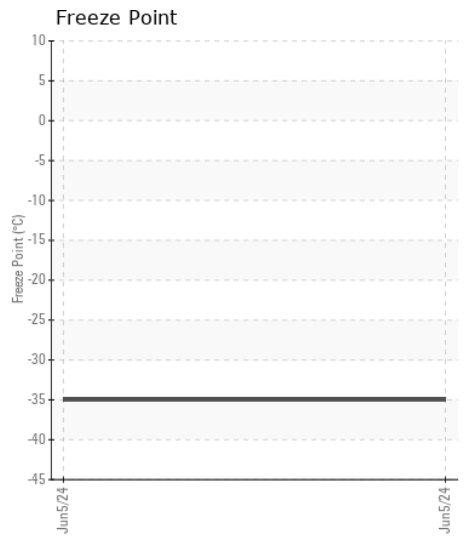
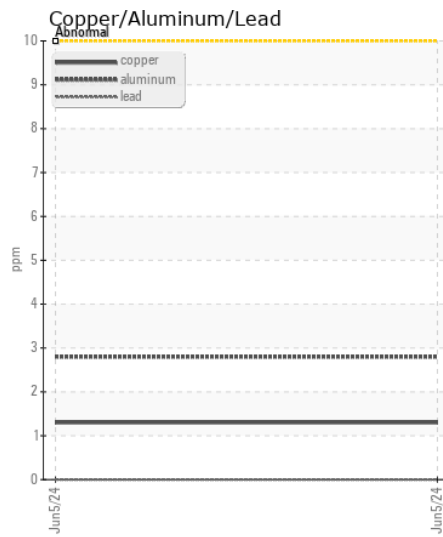
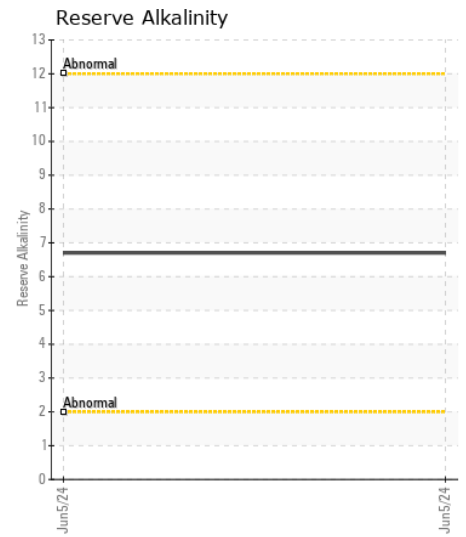
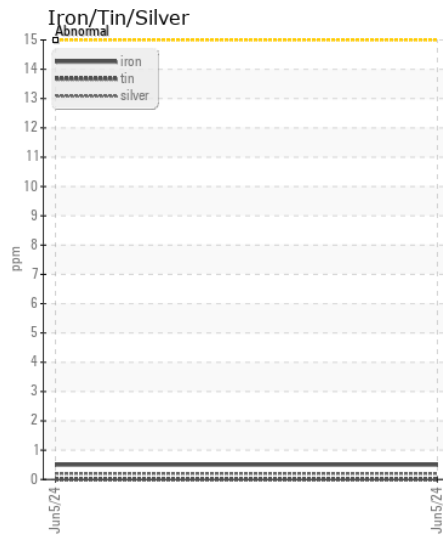
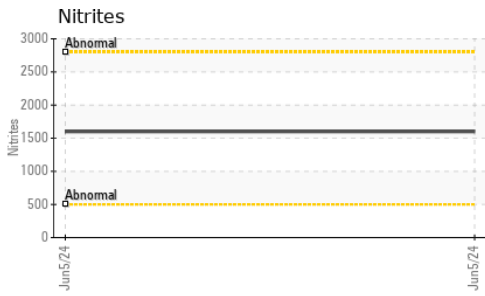
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>3</b>	---	---
Magnesium	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Coolant Appearance		Visual*	Clear	<b>Cloudy</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>107</b>	---	---
Specific Gravity		ASTM D1298*		<b>1.065</b>	---	---
pH	Scale 0-14	ASTM D1287*	9.0	<b>10.3</b>	---	---
Nitrites	ppm	Alcan Test Kit*		<b>1600</b>	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>6.7</b>	---	---
Percentage Glycol	%	ASTM D3321*	50	<b>48.4</b>	---	---
Freezing Point	°C	ASTM D3321*	-40	<b>-35</b>	---	---
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>64</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>708</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>226</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>381</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>962</b>	---	---
Potassium	ppm	ASTM D5185(m)		<b>3544</b>	---	---
Coolant Color		Visual*	Orange/R	<b>Blue</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0023944  
**Lab Number** : 02640882  
**Unique Number** : 5798421  
**Test Package** : COOL ( Additional Tests: GlycolType )

**CUMMINS CANADA ULC - GENERATOR DIVISION**  
 7175 PACIFIC CIRCLE  
 MISSISSAUGA, ON  
 CA L5T 2A5  
 Contact: Elisia Johnson  
 elisia.johnson@cummins.com  
 T: (905)795-0050  
 F: (905)795-9252

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.