



# COOLANT REPORT

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

Area

**OI [152747]**

Machine Id

**GENERATOR #2 (S/N 11638222)**

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>CU0022857</b>	CU0020904	CU0019262
Sample Date		Client Info		<b>04 Mar 2024</b>	13 Mar 2023	25 Apr 2022
Machine Age	hrs	Client Info		<b>519</b>	482	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

## CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	<b>0</b>	0	2
Aluminum	ppm	ASTM D5185(m)	>10	<b>2</b>	▲ 13	6
Copper	ppm	ASTM D5185(m)	>10	<b>2</b>	5	4
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>	0	<1
Zinc	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	1

## CONTAMINANTS

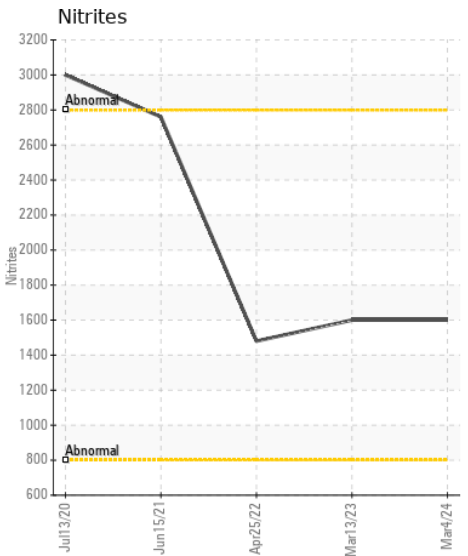
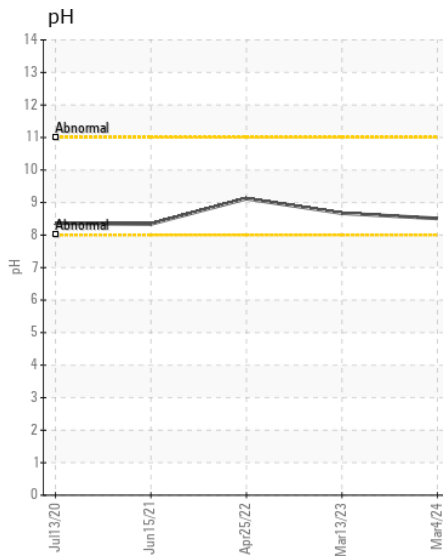
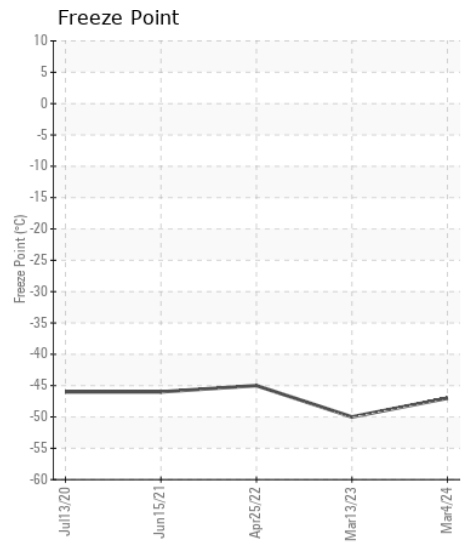
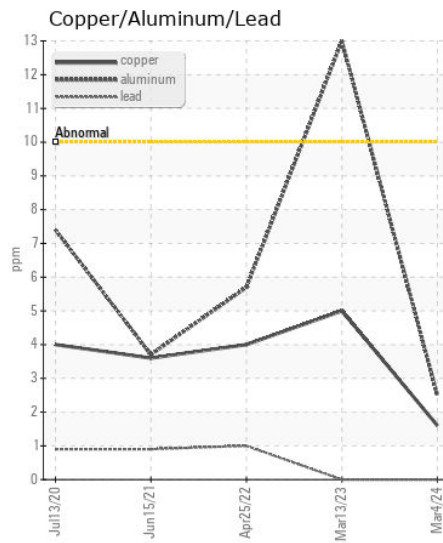
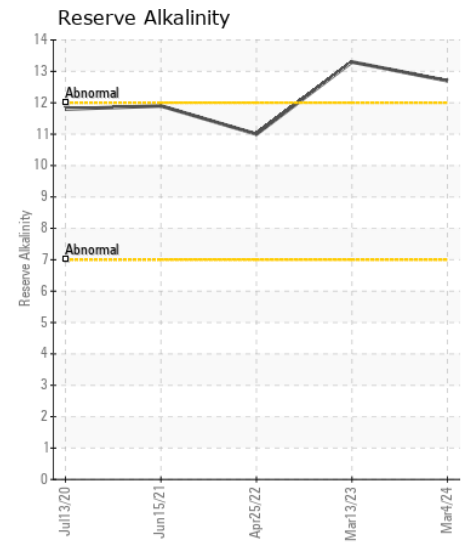
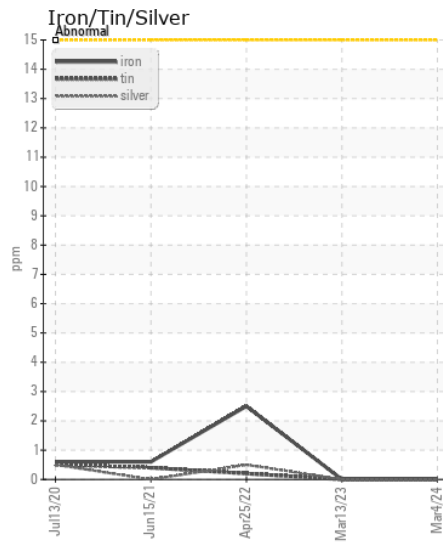
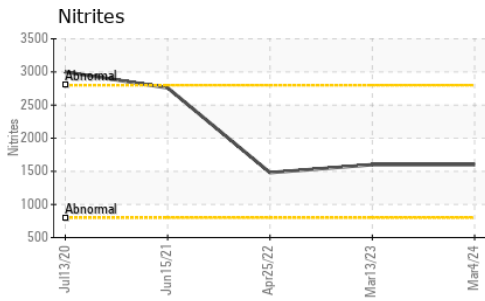
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>1</b>	2	2
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	Clear

## COOLANT CONDITION

The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits.

Boiling Point	°C	WC Method*		<b>109</b>	---	---
Specific Gravity		ASTM D1298*		<b>1.076</b>	1.076	1.073
pH	Scale 0-14	ASTM D1287*	9.5	<b>8.51</b>	8.67	9.12
Nitrites	ppm	Alcan Test Kit*	1500	<b>1600</b>	1600	1480
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	<b>12.7</b>	13.3	11.0
Percentage Glycol	%	ASTM D3321*	50	<b>57.0</b>	56.5	54.1
Freezing Point	°C	ASTM D3321*	-40	<b>-47</b>	-50	-45
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>17</b>	54	55
Phosphorus	ppm	ASTM D5185(m)		<b>669</b>	908	710
Boron	ppm	ASTM D5185(m)		<b>777</b>	839	655
Molybdenum	ppm	ASTM D5185(m)		<b>702</b>	988	751
Sodium	ppm	ASTM D5185(m)		<b>6507</b>	3922	2211
Potassium	ppm	ASTM D5185(m)		<b>7054</b>	3684	2321
Coolant Color		Visual*	Green	<b>Grn/Yellow</b>	Yellow	Green



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0022857  
**Lab Number** : 02640886  
**Unique Number** : 5798425  
**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.