



# COOLANT REPORT

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

Area  
**[103009]**  
 Machine Id  
**37241940**

Component  
**Coolant**  
 Fluid  
**EXTENDED LIFE COOLANT (--- 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>CU0021144</b>	CU0006733	---
Sample Date		Client Info		<b>04 Mar 2024</b>	08 Jul 2011	---
Machine Age	hrs	Client Info		<b>214</b>	13	---
Oil Age	hrs	Client Info		<b>0</b>	13	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>3</b>	2	---
Copper	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	2	---
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	5	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	2	---
Zinc	ppm	ASTM D5185(m)	>10	<b>1</b>	19	---

## CONTAMINANTS

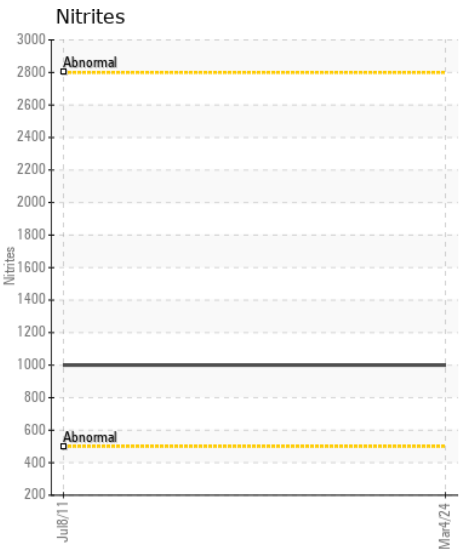
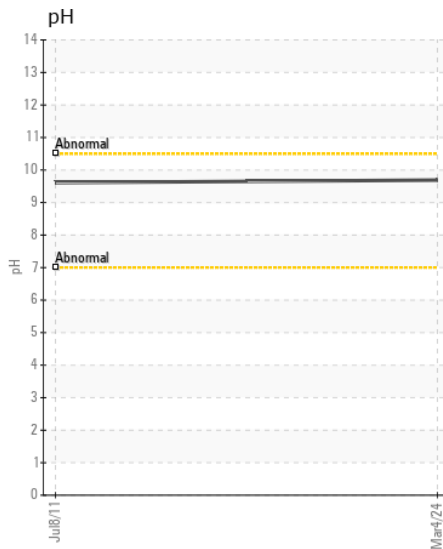
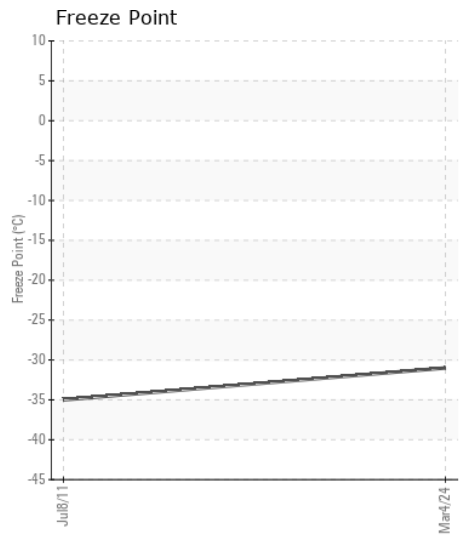
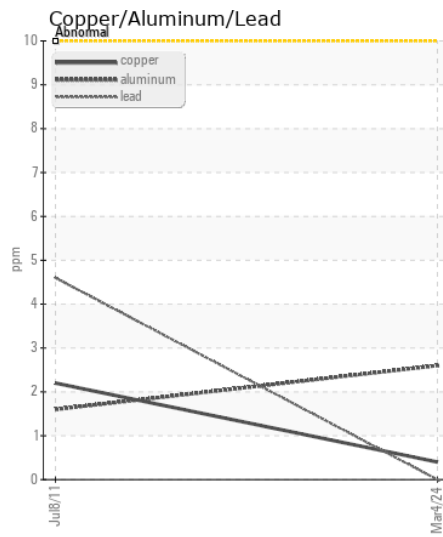
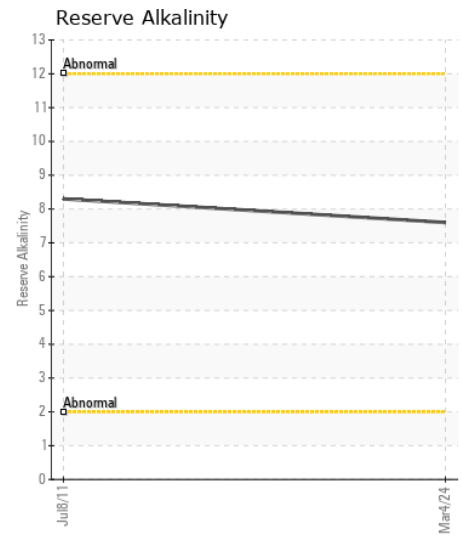
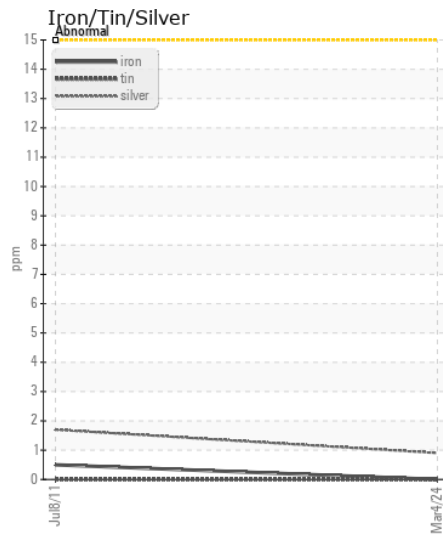
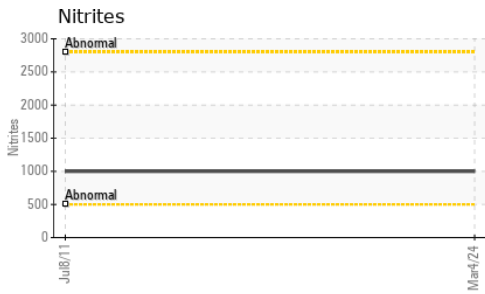
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>1</b>	1	---
Magnesium	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	2	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Coolant Appearance		Visual*	Clear	<b>Clear</b>	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.

Specific Gravity		ASTM D1298*		<b>1.061</b>	1.066	---
pH	Scale 0-14	ASTM D1287*	9.0	<b>9.69</b>	9.61	---
Nitrites	ppm	Alcan Test Kit*		<b>1000</b>	1000	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>7.6</b>	8.3	---
Percentage Glycol	%	ASTM D3321*	50	<b>45.2</b>	49.0	---
Freezing Point	°C	ASTM D3321*	-40	<b>-31</b>	-35	---
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>58</b>	86	---
Phosphorus	ppm	ASTM D5185(m)		<b>983</b>	1246	---
Boron	ppm	ASTM D5185(m)		<b>245</b>	319	---
Molybdenum	ppm	ASTM D5185(m)		<b>416</b>	554	---
Sodium	ppm	ASTM D5185(m)		<b>1199</b>	1684	---
Potassium	ppm	ASTM D5185(m)		<b>6851</b>	4082	---
Coolant Color		Visual*	Orange/R	<b>Blue</b>	Blue	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0021144 **Received** : 06 Mar 2024  
**Lab Number** : 02620374 **Tested** : 06 Mar 2024  
**Unique Number** : 5737484 **Diagnosed** : 06 Mar 2024 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: GlycolType )

**CUMMINS EASTERN CANADA LP**  
 3189 SWANSEA CRESCENT  
 OTTAWA, ON  
 CA K1G 3W5  
 Contact: Cindy Harrison  
 cindy.harrison@cummins.com  
 T: (613)736-1146  
 F: x:

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.