



# COOLANT REPORT

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

Area  
**RIOCAN [154336]**  
 Machine Id  
**37253537 TOWER A**  
 Component  
**Coolant**  
 Fluid  
**HYBRID (HOAT) 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>CU0022360</b>	CU0021185	CU0020092
Sample Date		Client Info		<b>27 Apr 2024</b>	18 Aug 2023	17 Oct 2022
Machine Age	hrs	Client Info		<b>238</b>	216	193
Oil Age	hrs	Client Info		<b>1</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	SEVERE

## CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	<b>0</b>	▲ 51	▲ 133
Aluminum	ppm	ASTM D5185(m)	>10	<b>2</b>	0	1
Copper	ppm	ASTM D5185(m)	>10	<b>1</b>	2	7
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	▲ 36	▲ 130
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Zinc	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	15

## CONTAMINANTS

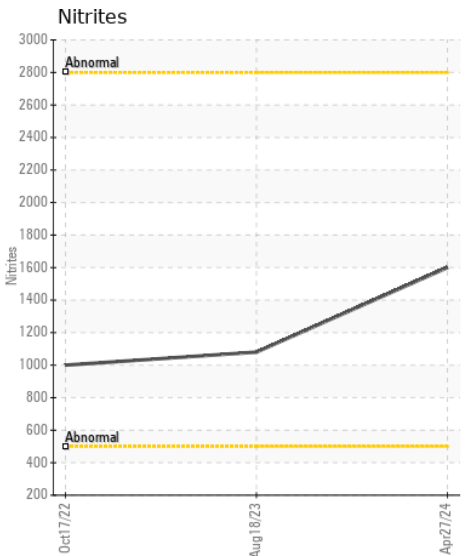
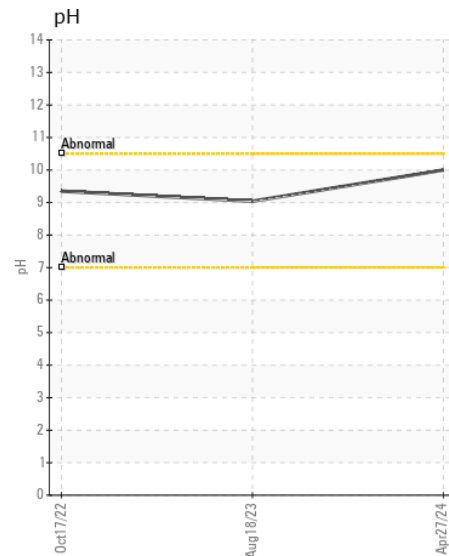
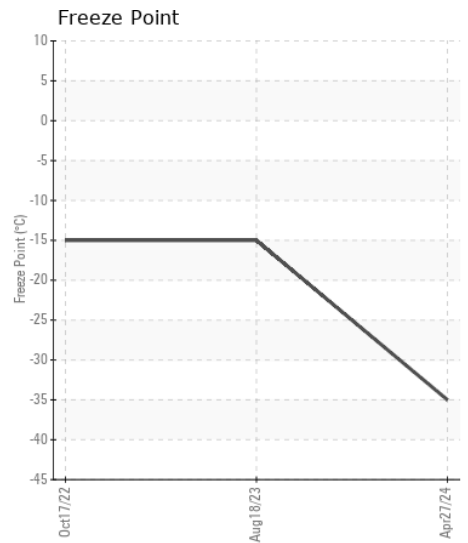
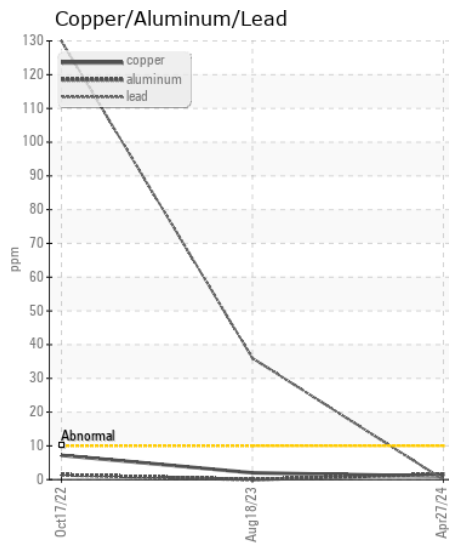
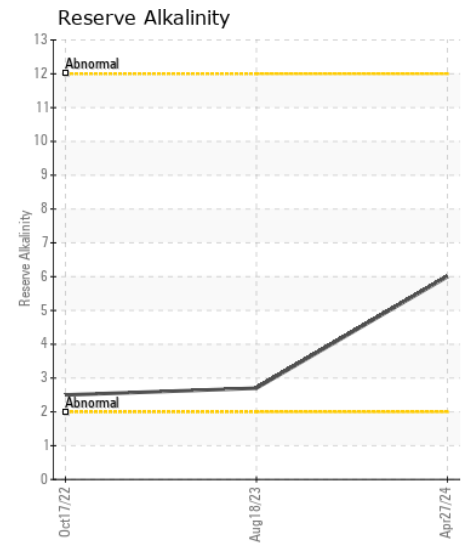
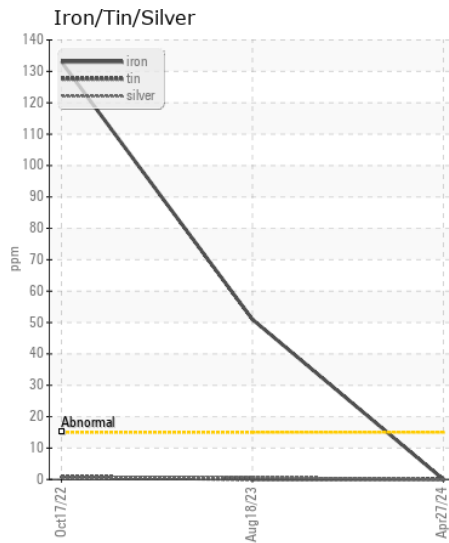
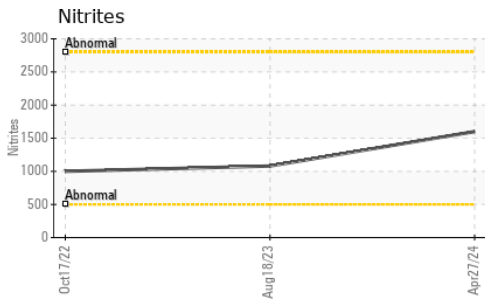
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>&lt;1</b>	2	6
Magnesium	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	1	3
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>	▲ Cloudy	▲ Cloudy

## 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>	1.056	1.056
pH	Scale 0-14	ASTM D1287*		<b>10.0</b>	9.04	9.35
Nitrites	ppm	Alcan Test Kit*		<b>1600</b>	1080	1000
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>6.0</b>	2.7	2.5
Percentage Glycol	%	ASTM D3321*		<b>48.1</b>	41.4	41.4
Freezing Point	°C	ASTM D3321*		<b>-35</b>	-15	-15
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>34</b>	41	85
Phosphorus	ppm	ASTM D5185(m)		<b>616</b>	68	125
Boron	ppm	ASTM D5185(m)		<b>219</b>	136	201
Molybdenum	ppm	ASTM D5185(m)		<b>334</b>	35	54
Sodium	ppm	ASTM D5185(m)		<b>1046</b>	1496	1457
Potassium	ppm	ASTM D5185(m)		<b>3232</b>	641	724
Coolant Color		Visual*		<b>Other</b>	Grn/Yellow	Grn/Yellow



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0022360  
**Lab Number** : 02640901  
**Unique Number** : 5798440  
**Test Package** : COOL ( Additional Tests: GlycolType )

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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.