



# COOLANT REPORT

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

## COMPASS DATA [154374]

Machine Id  
**1B (S/N E220080320)**

Component  
**Coolant**  
Fluid  
**CONVENTIONAL COOLANT (--- GAL)**

### RECOMMENDATION

We recommend drain system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's specifications. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>CU0022711</b>	---	---
Sample Date		Client Info		<b>31 May 2024</b>	---	---
Machine Age	hrs	Client Info		<b>92</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>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>2</b>	---	---
Copper	ppm	ASTM D5185(m)	>10	<b>&lt;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>7</b>	---	---

### CONTAMINANTS

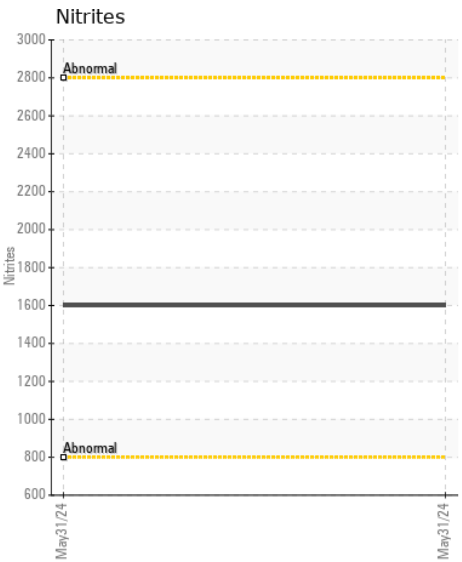
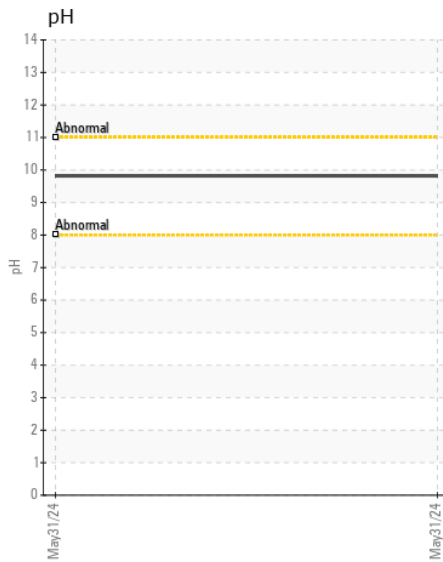
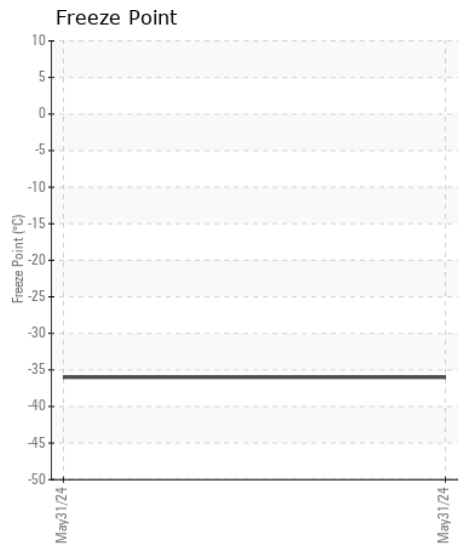
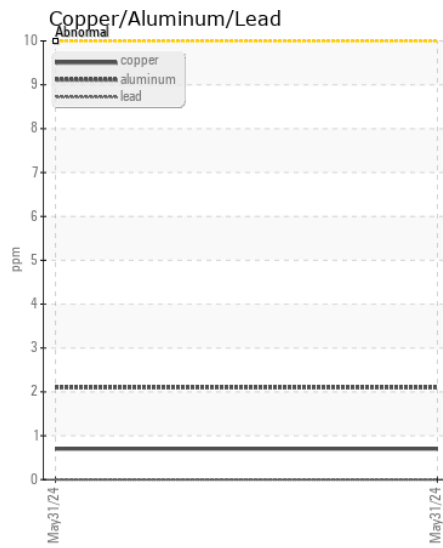
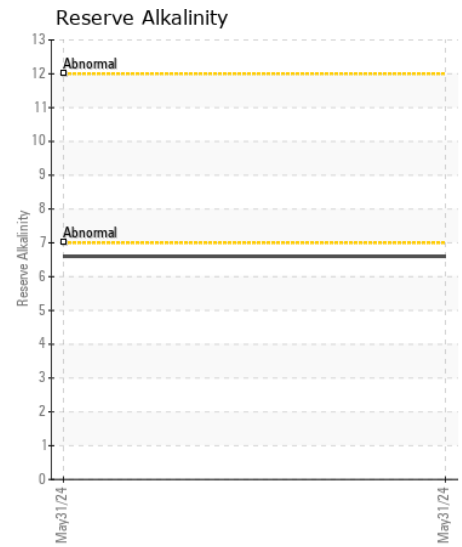
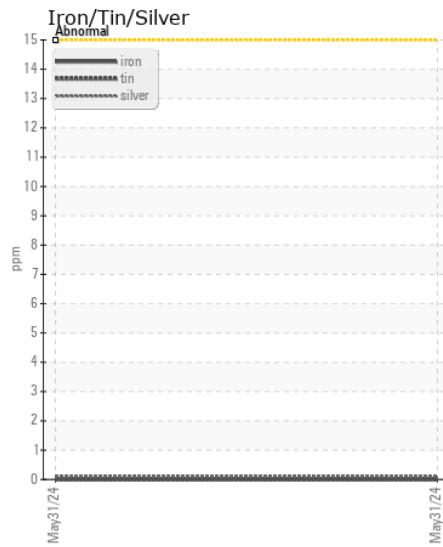
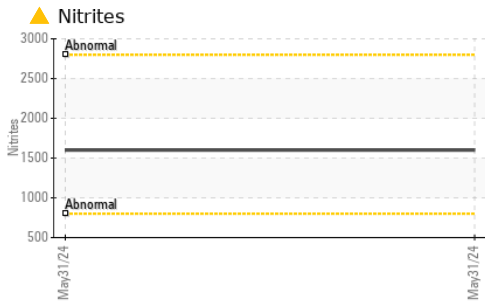
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>2</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 coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits.

Boiling Point	°C	WC Method*		<b>107</b>	---	---
Specific Gravity		ASTM D1298*		<b>1.066</b>	---	---
pH	Scale 0-14	ASTM D1287*	9.5	<b>9.82</b>	---	---
Nitrites	ppm	Alcan Test Kit*	1500	<b>1600</b>	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	<b>6.6</b>	---	---
Percentage Glycol	%	ASTM D3321*	50	<b>49.0</b>	---	---
Freezing Point	°C	ASTM D3321*	-40	<b>-36</b>	---	---
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>40</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>733</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>225</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>398</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>1220</b>	---	---
Potassium	ppm	ASTM D5185(m)		<b>4002</b>	---	---
Coolant Color		Visual*	Green	<b>Other</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0022711 **Received** : 10 Jun 2024  
**Lab Number** : 02640884 **Tested** : 11 Jun 2024  
**Unique Number** : 5798423 **Diagnosed** : 11 Jun 2024 - Kevin Marson  
**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.