



# COOLANT REPORT

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

Area

[142229]

Machine Id

**ARNOLDST**

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>WC0919634</b>	WC0488439	WC0449625
Sample Date		Client Info		<b>05 Apr 2024</b>	22 Apr 2021	30 Mar 2020
Machine Age	hrs	Client Info		<b>0</b>	115	99
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	<b>0</b>	1	6
Aluminum	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	3	5
Copper	ppm	ASTM D5185(m)	>10	<b>5</b>	6	6
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	1	2
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	3
Zinc	ppm	ASTM D5185(m)	>10	<b>3</b>	19	47

## CONTAMINANTS

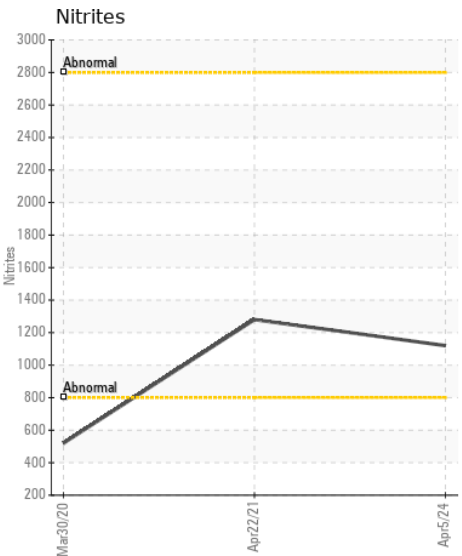
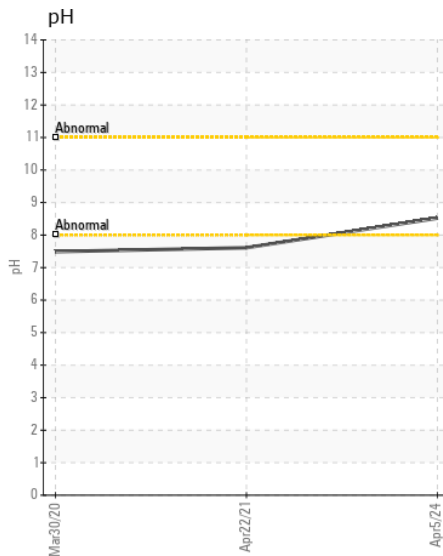
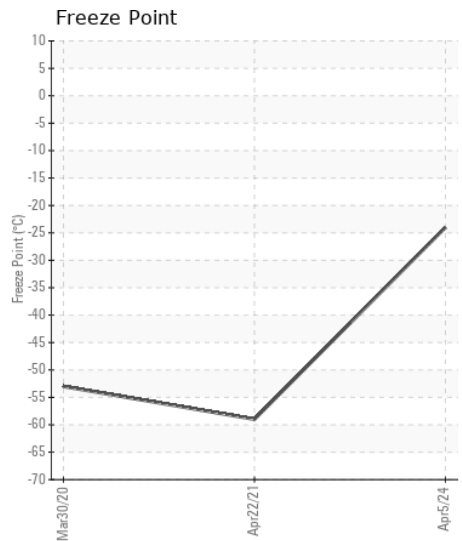
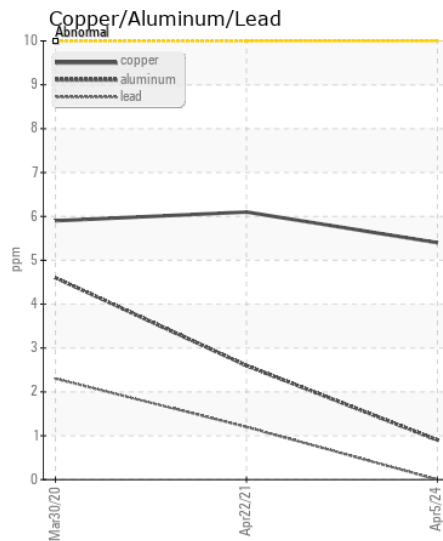
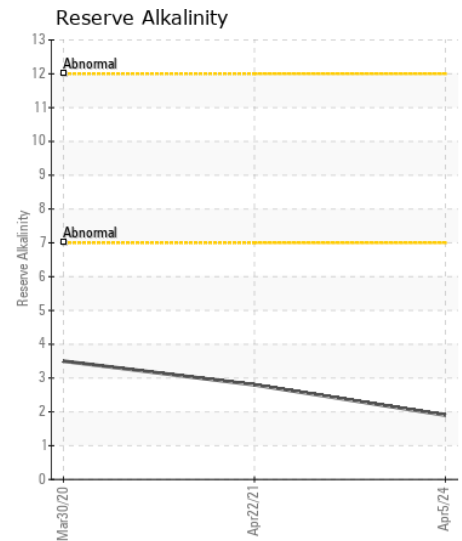
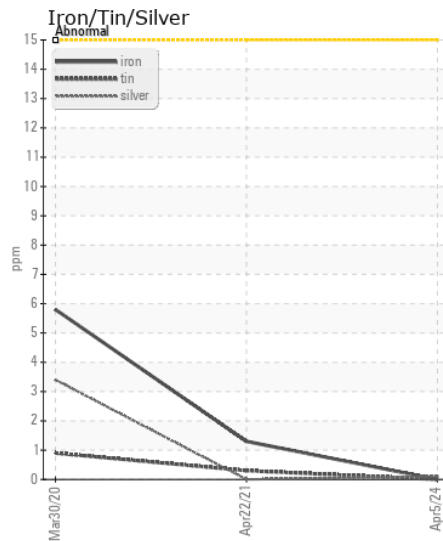
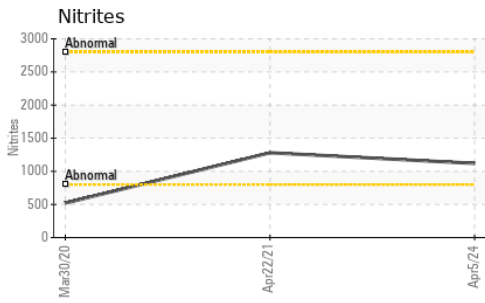
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>5</b>	16	19
Magnesium	ppm	ASTM D5185(m)	>40	<b>2</b>	2	3
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Coolant Appearance		Visual*	Clear	<b>---</b>	Clear	Cloudy

## COOLANT CONDITION

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

Boiling Point	°C	WC Method*		<b>106</b>	---	---
Specific Gravity		ASTM D1298*		<b>1.054</b>	---	1.082
pH	Scale 0-14	ASTM D1287*	9.5	<b>8.52</b>	7.61	7.49
Nitrites	ppm	Alcan Test Kit*	1500	<b>1120</b>	1280	520
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	<b>1.9</b>	2.8	3.5
Percentage Glycol	%	ASTM D3321*	50	<b>39.7</b>	---	62.0
Freezing Point	°C	ASTM D3321*	-40	<b>-24</b>	-59	-53
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>7</b>	10	9
Phosphorus	ppm	ASTM D5185(m)		<b>13</b>	7	9
Boron	ppm	ASTM D5185(m)		<b>106</b>	122	30
Molybdenum	ppm	ASTM D5185(m)		<b>4</b>	15	7
Sodium	ppm	ASTM D5185(m)		<b>1388</b>	3205	3213
Potassium	ppm	ASTM D5185(m)		<b>82</b>	140	134
Coolant Color		Visual*	Green	<b>---</b>	Red	Orange



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0919634 **Received** : 15 Apr 2024  
**Lab Number** : 02629044 **Tested** : 16 Apr 2024  
**Unique Number** : 5762176 **Diagnosed** : 17 Apr 2024 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: GlycolType )

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.

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