



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	SEVERE

Area
[142229]

Machine Id
WALLACEBURG WASTE WATER

Component
Coolant

Fluid
CONVENTIONAL COOLANT (--- GAL)

RECOMMENDATION

We recommend that you perform a partial drain and top off with straight antifreeze to increase level of glycol. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's recommendations. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0919627	---	---
Sample Date		Client Info		11 Apr 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---

CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	0	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	---	---
Copper	ppm	ASTM D5185(m)	>10	2	---	---
Lead	ppm	ASTM D5185(m)	>10	4	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Silver	ppm	ASTM D5185(m)	>10	<1	---	---
Zinc	ppm	ASTM D5185(m)	>10	2	---	---

CONTAMINANTS

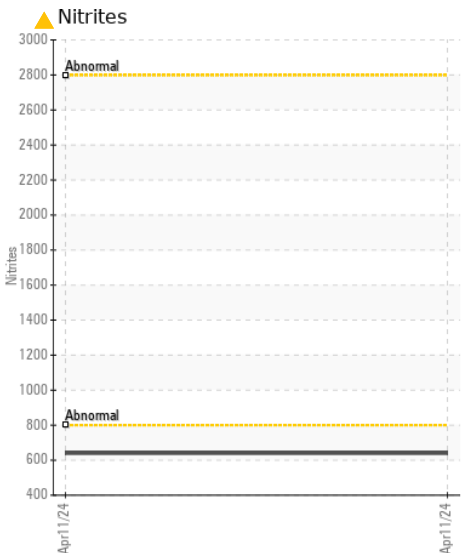
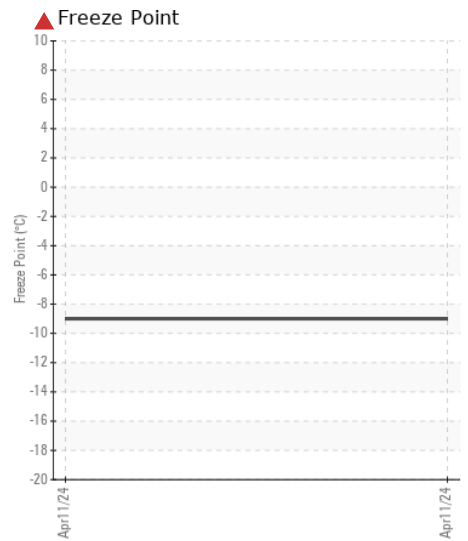
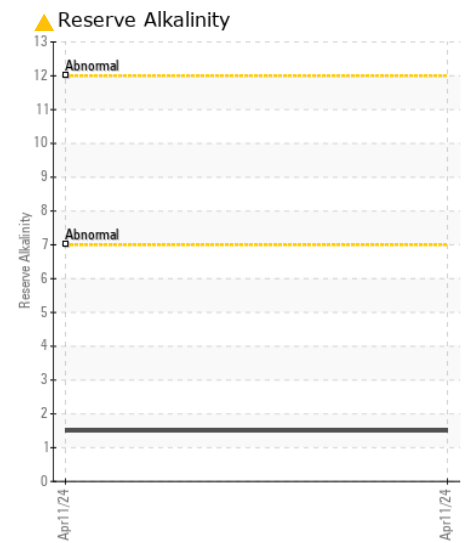
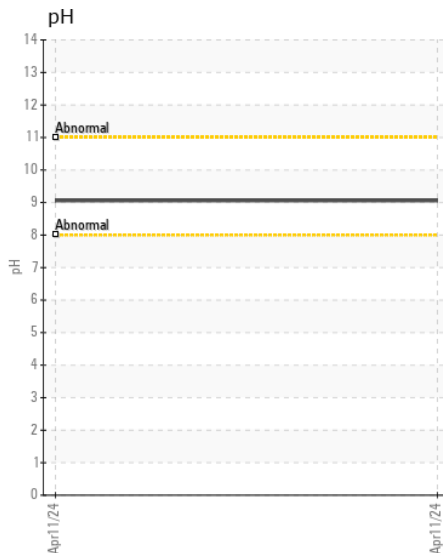
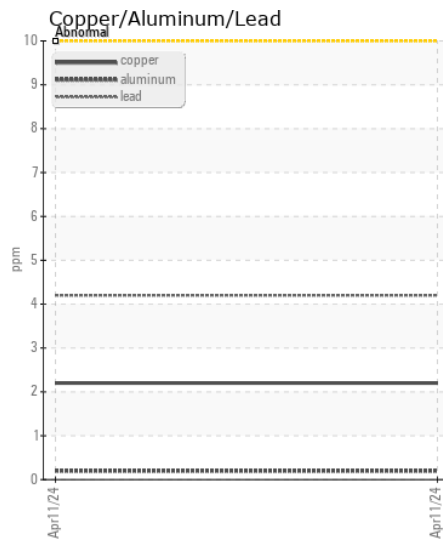
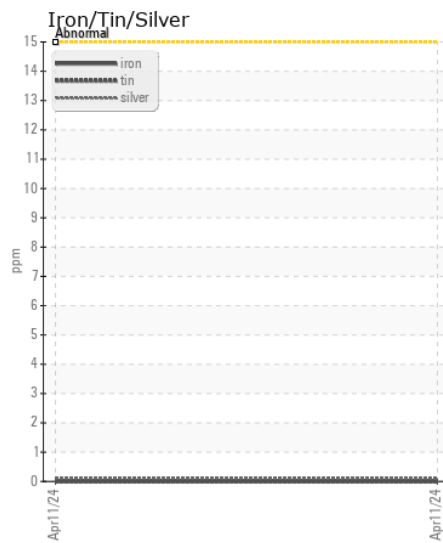
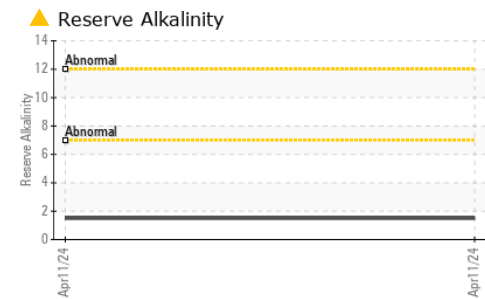
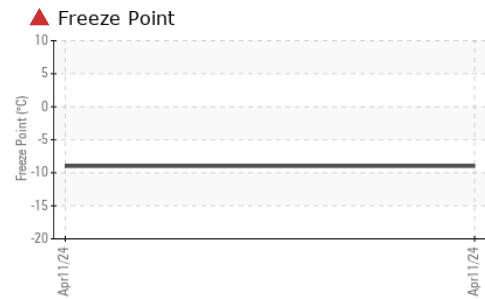
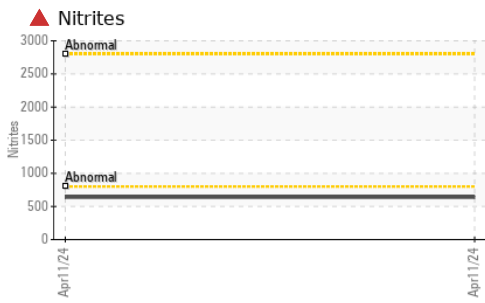
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	4	---	---
Magnesium	ppm	ASTM D5185(m)	>40	1	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Coolant Appearance		Visual*	Clear	---	---	---

COOLANT CONDITION

The reserve alkalinity of this fluid is lower than acceptable. The glycol level is low which leads to an increased rate of liner pitting and may be inadequate for freeze protection. The low nitrite level indicates reduced cavitation protection which leads to corrosion and ammonia formation. The pH level of this fluid is within the acceptable limits.

Boiling Point	°C	WC Method*		102	---	---
Specific Gravity		ASTM D1298*		1.026	---	---
pH	Scale 0-14	ASTM D1287*	9.5	9.06	---	---
Nitrites	ppm	Alcan Test Kit*	1500	▲ 640	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	▲ 1.5	---	---
Percentage Glycol	%	ASTM D3321*	50	▲ 20.5	---	---
Freezing Point	°C	ASTM D3321*	-40	▲ -9	---	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		12	---	---
Phosphorus	ppm	ASTM D5185(m)		14	---	---
Boron	ppm	ASTM D5185(m)		62	---	---
Molybdenum	ppm	ASTM D5185(m)		3	---	---
Sodium	ppm	ASTM D5185(m)		617	---	---
Potassium	ppm	ASTM D5185(m)		73	---	---
Coolant Color		Visual*	Green	---	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0919627
Lab Number : 02629047
Unique Number : 5762179
Test Package : COOL (Additional Tests: GlycolType)

Received : 15 Apr 2024
Tested : 17 Apr 2024
Diagnosed : 17 Apr 2024 - Kevin Marson

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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