



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

COOLANT REPORT

CORROSION

NORMAL

CONTAMINANTS

ABNORMAL

COOLANT CONDITION

NORMAL

Area

URBANCON DATA CENTER [276560]

Machine Id

MTU 16301004443

Component

Coolant

Fluid

EXTENDED LIFE COOLANT (--- GAL)

RECOMMENDATION

The coolant change at the time of sampling has been noted. Drain system and refill with 50/50 premix of manufacturer recommended coolant.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0021256	WA0019692	---
Sample Date		Client Info		09 Apr 2024	05 May 2023	---
Machine Age	hrs	Client Info		218	72	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	SEVERE	---

CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	1	3	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	2	---
Copper	ppm	ASTM D5185(m)	>10	1	3	---
Lead	ppm	ASTM D5185(m)	>10	0	0	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Silver	ppm	ASTM D5185(m)	>10	<1	0	---
Zinc	ppm	ASTM D5185(m)	>10	4	<1	---

CONTAMINANTS

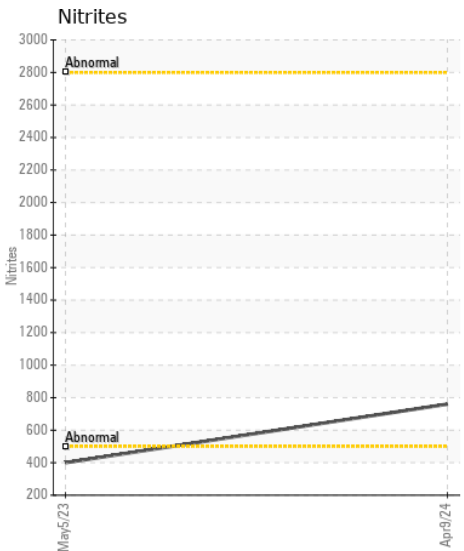
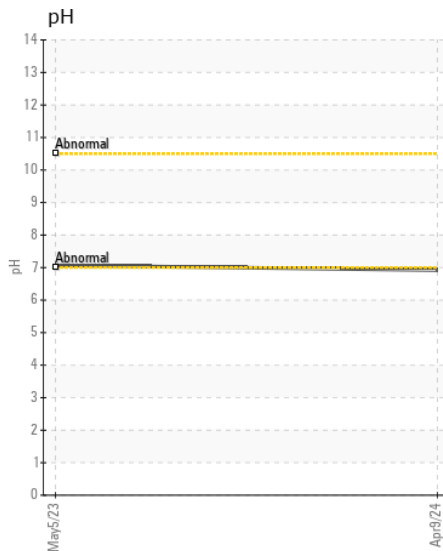
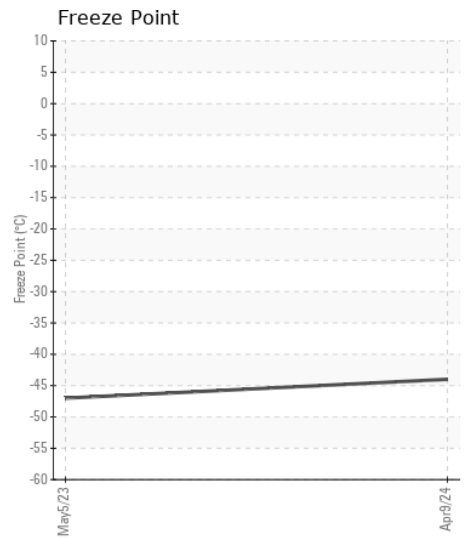
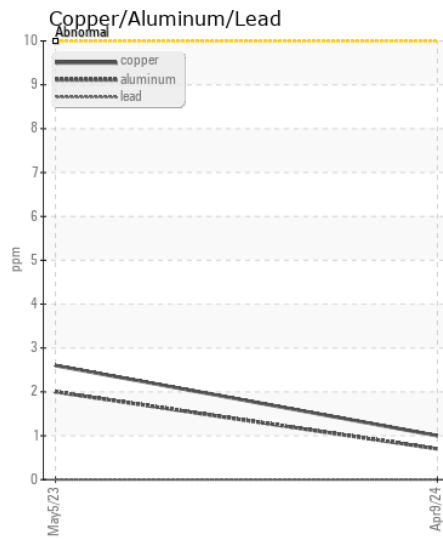
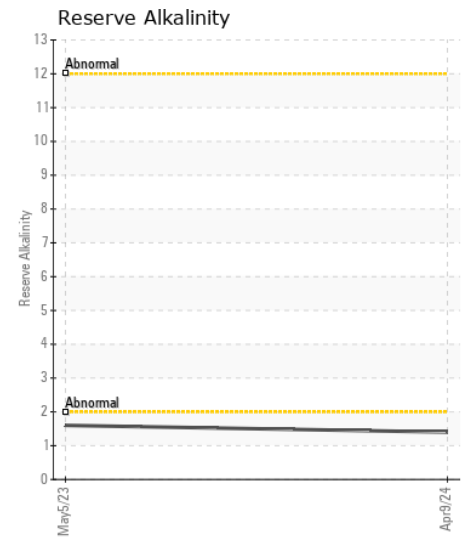
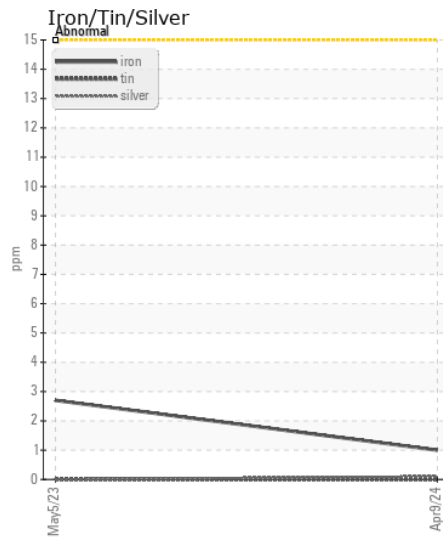
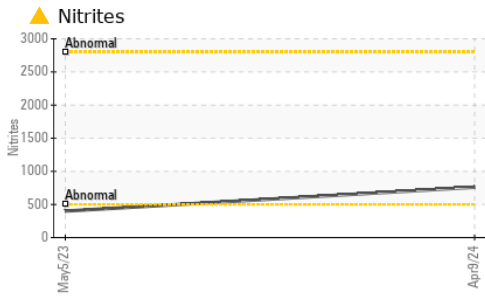
Hardness is elevated. Elevated hardness can allow scale formation that will reduce cooling system effectiveness.

Calcium	ppm	ASTM D5185(m)	>100	12	22	---
Magnesium	ppm	ASTM D5185(m)	>40	11	11	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Coolant Appearance		Visual*	Clear	▲ Cloudy	▲ Cloudy	---

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.

Boiling Point	°C	WC Method*		108	---	---
Specific Gravity		ASTM D1298*		1.075	1.075	---
pH	Scale 0-14	ASTM D1287*	9.0	6.92	7.07	---
Nitrites	ppm	Alcan Test Kit*		760	▲ 400	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		1.4	▲ 1.6	---
Percentage Glycol	%	ASTM D3321*	50	55.6	55.9	---
Freezing Point	°C	ASTM D3321*	-40	-44	-47	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		23	20	---
Phosphorus	ppm	ASTM D5185(m)		7	4	---
Boron	ppm	ASTM D5185(m)		14	16	---
Molybdenum	ppm	ASTM D5185(m)		139	168	---
Sodium	ppm	ASTM D5185(m)		5027	2875	---
Potassium	ppm	ASTM D5185(m)		4701	2745	---
Coolant Color		Visual*	Orange/R	Orange	Orange	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021256 **Received** : 06 May 2024
Lab Number : 02633681 **Tested** : 06 May 2024
Unique Number : 5774834 **Diagnosed** : 07 May 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.

Wajax Power Systems
 10 Diesel Drive
 Toronto, ON
 CA M8W 2T8
 Contact: David Gilkes
 dgilkes@wajax.com
 T: (416)259-3281
 F: (416)251-6191