



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

COOLANT REPORT

CORROSION

ABNORMAL

CONTAMINANTS

NORMAL

COOLANT CONDITION

NORMAL

Area
CHARTWELL-LAKESHORE 5314 LAKESHORE RD [252283]

Machine Id
RG6081A039627

Component
Coolant

Fluid
CONVENTIONAL COOLANT (--- GAL)

RECOMMENDATION

The coolant change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0020431	WA0018544	WA0017488
Sample Date		Client Info		12 Feb 2024	03 Feb 2023	26 Jan 2022
Machine Age	hrs	Client Info		497	475	448
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

CORROSION

Copper ppm levels are abnormal. The high metal levels indicate corrosion in the system.

Iron	ppm	ASTM D5185(m)	>15	0	2	3
Aluminum	ppm	ASTM D5185(m)	>10	<1	1	4
Copper	ppm	ASTM D5185(m)	>10	▲ 138	▲ 95	▲ 87
Lead	ppm	ASTM D5185(m)	>10	5	7	9
Tin	ppm	ASTM D5185(m)	>10	0	<1	<1
Silver	ppm	ASTM D5185(m)	>10	<1	<1	<1
Zinc	ppm	ASTM D5185(m)	>10	<1	2	2

CONTAMINANTS

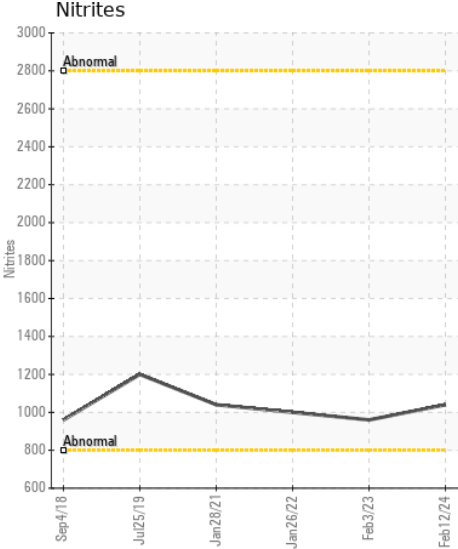
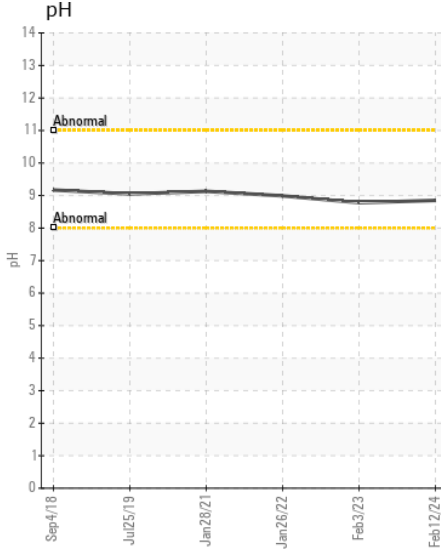
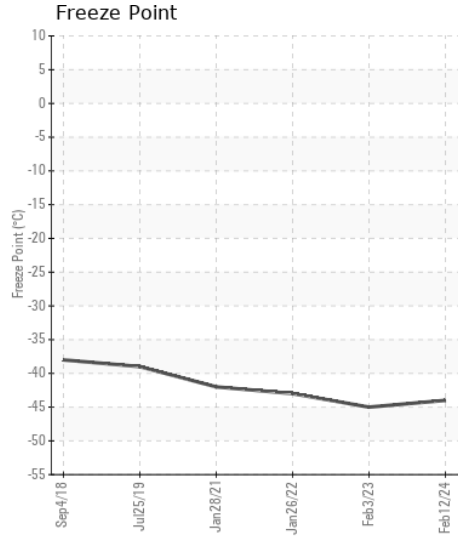
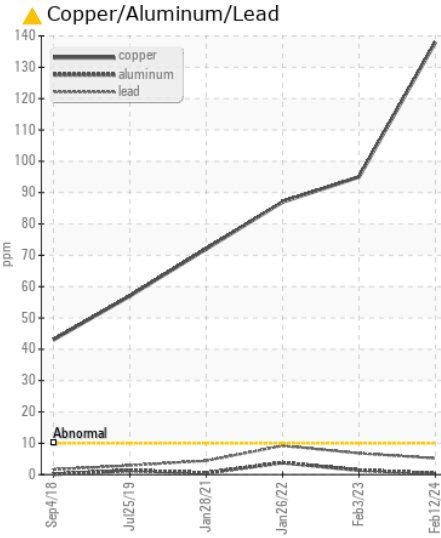
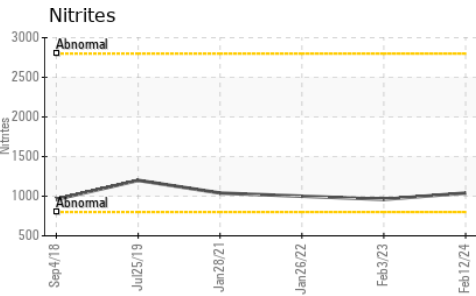
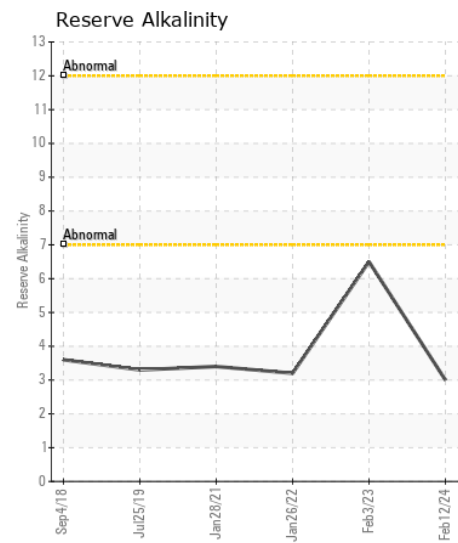
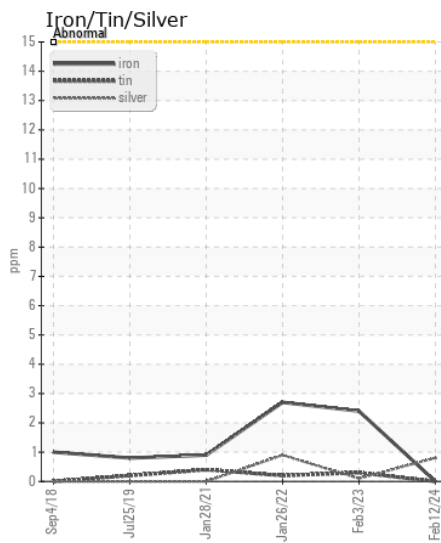
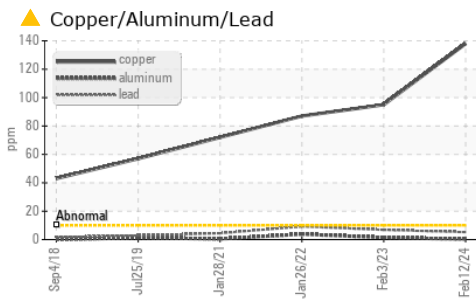
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<1	2	3
Magnesium	ppm	ASTM D5185(m)	>40	<1	1	1
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Coolant Appearance		Visual*	Clear	Clear	Clear	Clear

COOLANT CONDITION

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

Specific Gravity		ASTM D1298*		1.074	1.073	1.071
pH	Scale 0-14	ASTM D1287*	9.5	8.85	8.78	8.99
Nitrites	ppm	Alcan Test Kit*	1500	1040	960	1000
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	3.0	6.5	3.2
Percentage Glycol	%	ASTM D3321*	50	55.3	54.4	53.0
Freezing Point	°C	ASTM D3321*	-40	-44	-45	-43
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		69	65	71
Phosphorus	ppm	ASTM D5185(m)		430	360	373
Boron	ppm	ASTM D5185(m)		79	71	82
Molybdenum	ppm	ASTM D5185(m)		104	98	114
Sodium	ppm	ASTM D5185(m)		2233	1202	1145
Potassium	ppm	ASTM D5185(m)		2480	1150	1169
Coolant Color		Visual*	Green	Green	Green	Grn/Yellow



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020431 **Received** : 21 Feb 2024
Lab Number : 02617270 **Tested** : 22 Feb 2024
Unique Number : 5734380 **Diagnosed** : 23 Feb 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.