



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	ABNORMAL
COOLANT CONDITION	NORMAL

Area
COMPASS [154381]

Machine Id

3C

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		CU0023308	CU0022336	---
Sample Date		Client Info		27 May 2024	10 Dec 2023	---
Machine Age	hrs	Client Info		76	51	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---

CORROSION

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

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

CONTAMINANTS

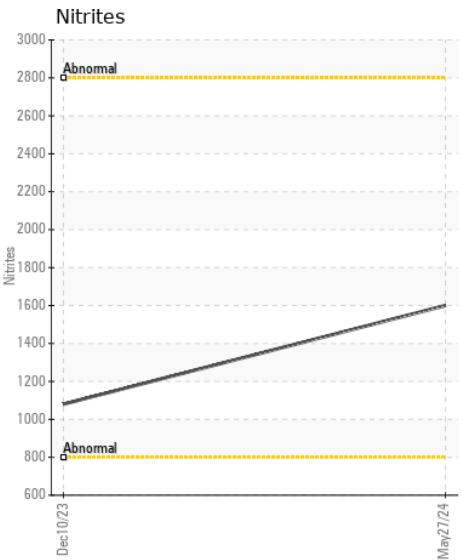
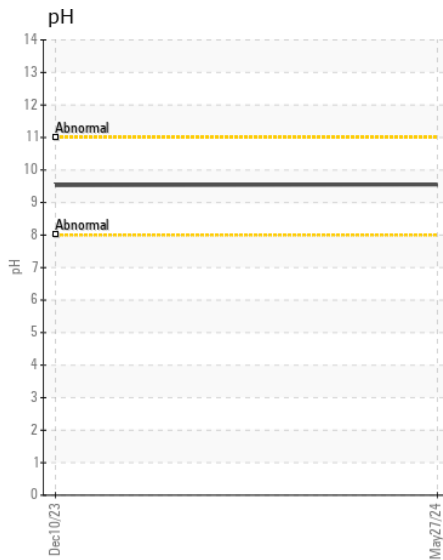
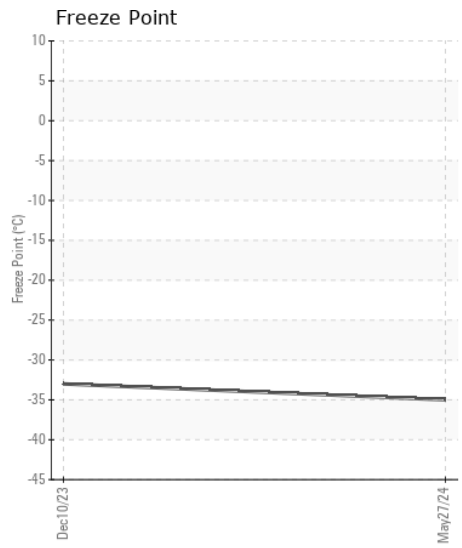
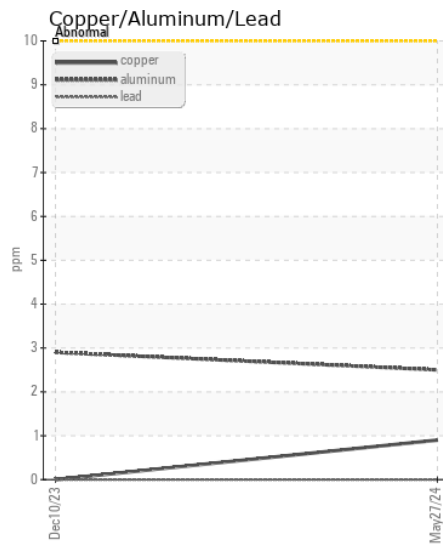
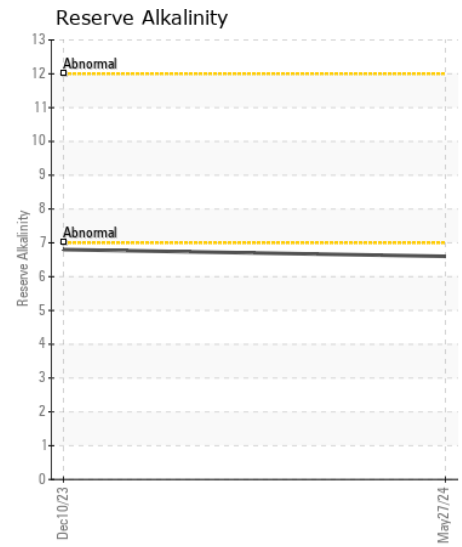
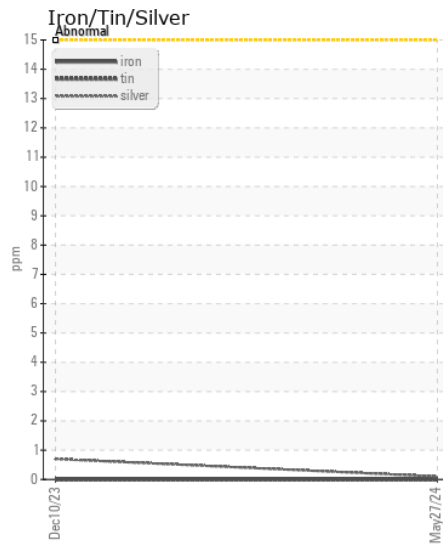
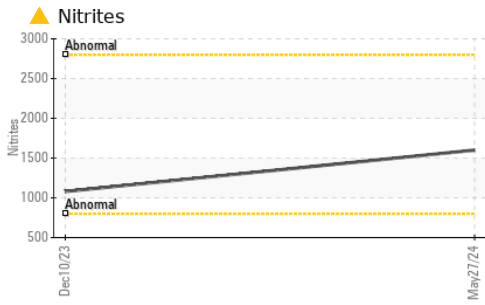
There is no indication of any contamination in the coolant.

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

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*		107	---	---
Specific Gravity		ASTM D1298*		1.066	1.066	---
pH	Scale 0-14	ASTM D1287*	9.5	9.55	9.53	---
Nitrites	ppm	Alcan Test Kit*	1500	1600	1080	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	6.6	6.8	---
Percentage Glycol	%	ASTM D3321*	50	48.8	49.0	---
Freezing Point	°C	ASTM D3321*	-40	-35	-33	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		41	55	---
Phosphorus	ppm	ASTM D5185(m)		767	820	---
Boron	ppm	ASTM D5185(m)		224	219	---
Molybdenum	ppm	ASTM D5185(m)		398	394	---
Sodium	ppm	ASTM D5185(m)		1207	1283	---
Potassium	ppm	ASTM D5185(m)		4005	6997	---
Coolant Color		Visual*	Green	Other	Blue	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0023308
Lab Number : 02640881
Unique Number : 5798420
Test Package : COOL (Additional Tests: GlycolType)
Received : 10 Jun 2024
Tested : 11 Jun 2024
Diagnosed : 11 Jun 2024 - Kevin Marson

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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.