COOLANT REPORT

Sample Rating Trend

INSOLUBLES

Area
[152309]
Machine Id
679E2
Component
Coolant
Fluid
{not provided} (--- GAL)

DIAGNOSIS

Recommendation
Drain system and refill with 50/50 premix of manufacturer recommended coolant.

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

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

Coolant Condition
The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**CU0021874**	---	---
Sample Date		Client Info		**15 Jan 2024**	---	---
Machine Age	hrs	Client Info		**10526**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**ABNORMAL**	---	---

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*		**1.059**	---	---
pH	Scale 0-14	ASTM D1287*		**7.41**	---	---
Nitrites	ppm	Alcan Test Kit*		**840**	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		**3.9**	---	---
Percentage Glycol	%	ASTM D3321*		**43.2**	---	---
Freezing Point	°C	ASTM D3321*		**-19**	---	---
Carboxylate				**---**	---	---

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		**24**	---	---
Phosphorus	ppm	ASTM D5185(m)		**9**	---	---
Boron	ppm	ASTM D5185(m)		**17**	---	---
Molybdenum	ppm	ASTM D5185(m)		**157**	---	---

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	**1**	---	---
Aluminum	ppm	ASTM D5185(m)	>10	**2**	---	---
Copper	ppm	ASTM D5185(m)	>10	**0**	---	---
Lead	ppm	ASTM D5185(m)	>10	**0**	---	---
Tin	ppm	ASTM D5185(m)	>10	**0**	---	---
Silver	ppm	ASTM D5185(m)	>10	**<1**	---	---
Zinc	ppm	ASTM D5185(m)		**1**	---	---

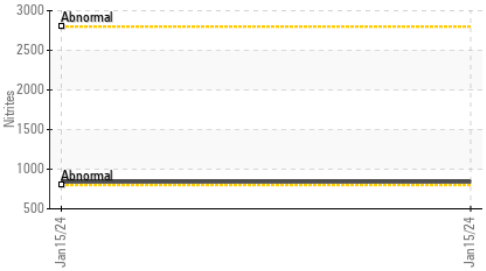
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		**10468**	---	---
Potassium	ppm	ASTM D5185(m)		**23**	---	---

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	**25**	---	---
Magnesium	ppm	ASTM D5185(m)	>40	**5**	---	---
Hardness	mg/L CaCO3	In-house*	<75	▲ **84**	---	---

VISUAL		method	limit/base	current	history1	history2
Coolant Color		Visual*		**Red**	---	---
Coolant Appearance		Visual*	Clear	**Clear**	---	---
Color					*no image*	*no image*
Bottom					*no image*	*no image*

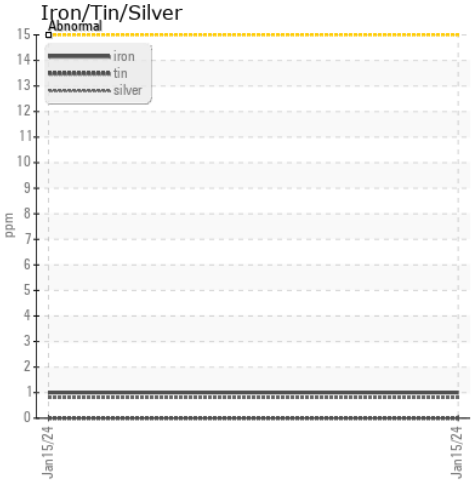
COOLANT REPORT

Nitrites

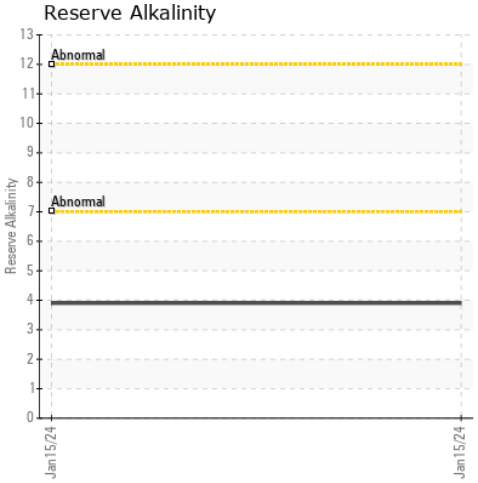


GRAPHS

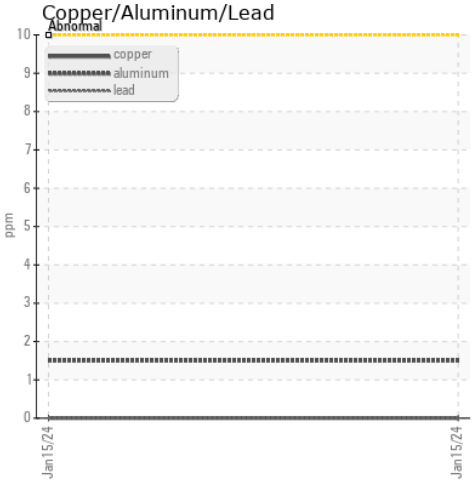
Iron/Tin/Silver



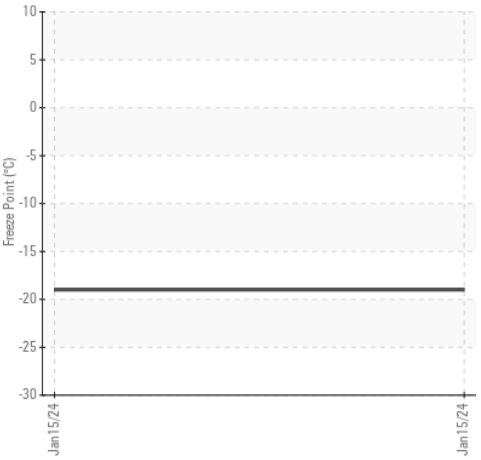
Reserve Alkalinity



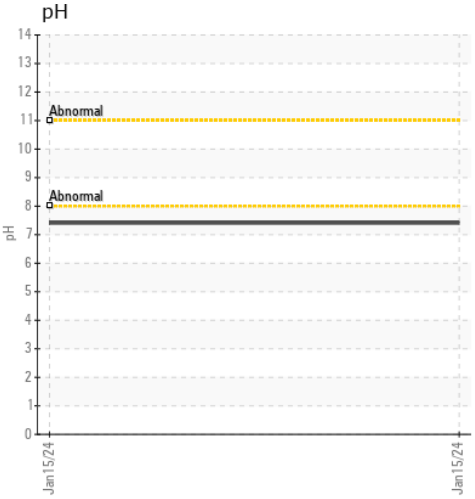
Copper/Aluminum/Lead



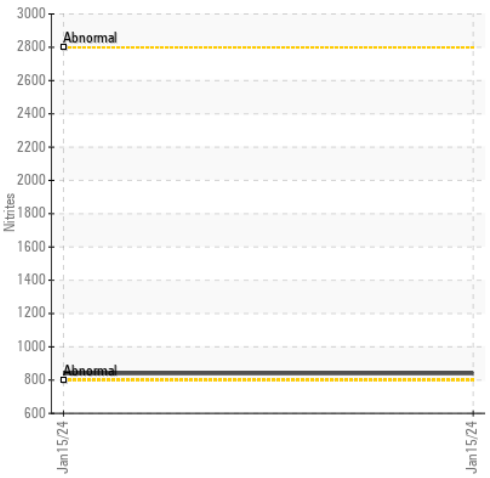
Freeze Point



pH



Nitrites



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0021874
Lab Number : 02609142
Unique Number : 5710228
Test Package : COOL

Received : 16 Jan 2024
Tested : 18 Jan 2024
Diagnosed : 19 Jan 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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