



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	ABNORMAL
COOLANT CONDITION	ABNORMAL

Machine Id
SENNEBOGEN 830E 3309

Component
Coolant

Fluid
{not provided} (--- 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		WC0849309	---	---
Sample Date		Client Info		08 Jan 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

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	3	---	---
Copper	ppm	ASTM D5185(m)	>10	2	---	---
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)	>10	2	---	---

CONTAMINANTS

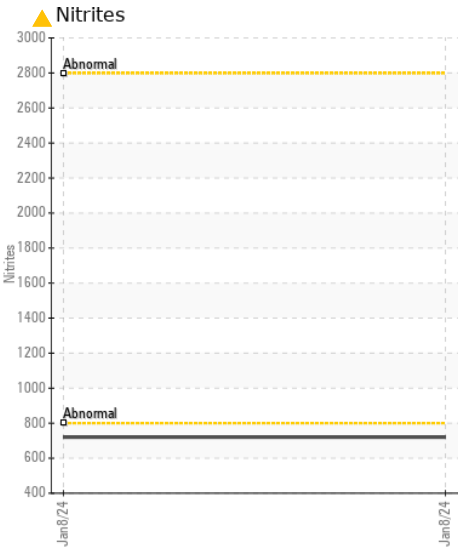
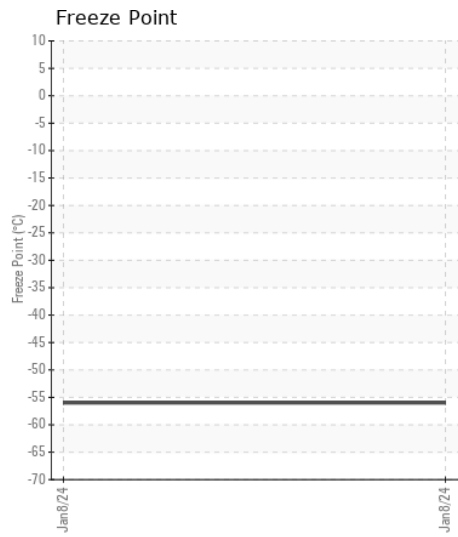
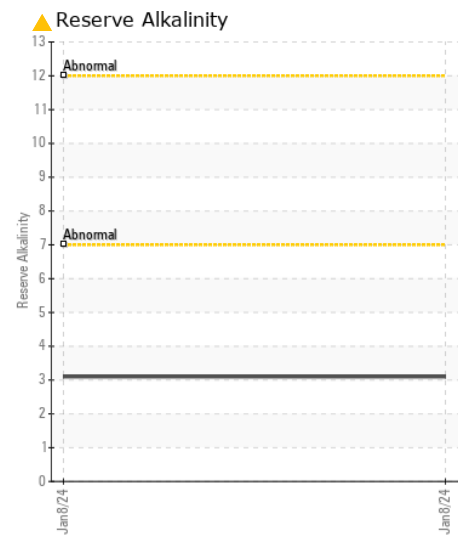
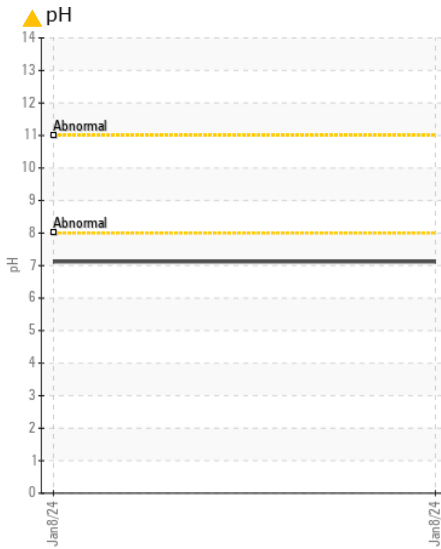
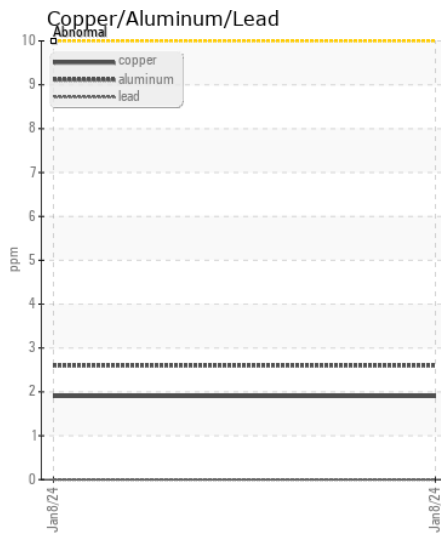
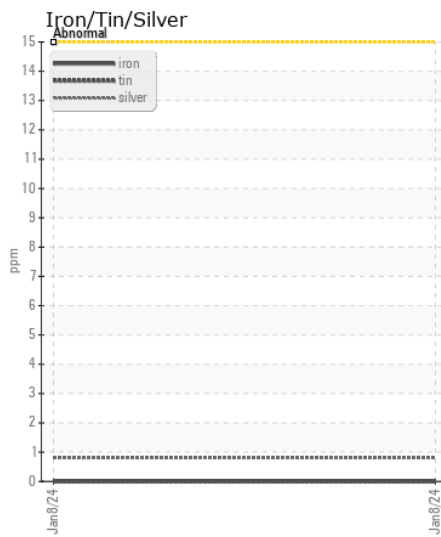
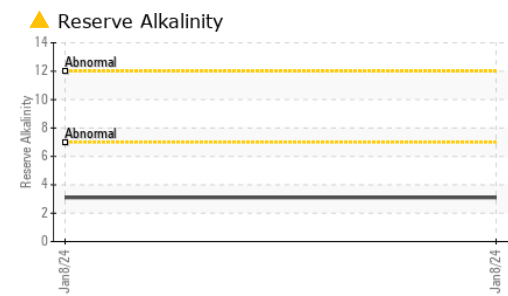
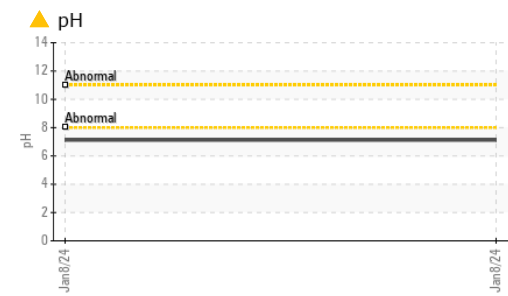
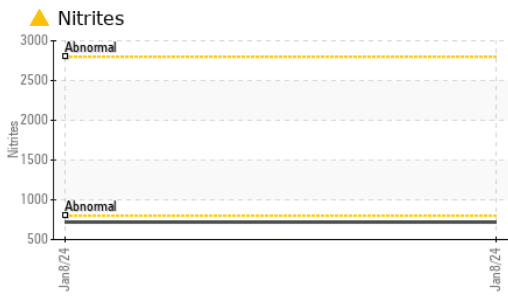
There is no indication of any contamination in the component(unconfirmed).

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	▲ Very cld	---	---

COOLANT CONDITION

The reserve alkalinity of this fluid is lower than acceptable. The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. The low nitrite level indicates reduced cavitation protection which leads to corrosion and ammonia formation. The pH is low which causes rust formation.

Specific Gravity		ASTM D1298*		1.078	---	---
pH	Scale 0-14	ASTM D1287*		▲ 7.12	---	---
Nitrites	ppm	Alcan Test Kit*		▲ 720	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		▲ 3.1	---	---
Percentage Glycol	%	ASTM D3321*		59.0	---	---
Freezing Point	°C	ASTM D3321*		-56	---	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		83	---	---
Phosphorus	ppm	ASTM D5185(m)		622	---	---
Boron	ppm	ASTM D5185(m)		264	---	---
Molybdenum	ppm	ASTM D5185(m)		233	---	---
Sodium	ppm	ASTM D5185(m)		2084	---	---
Potassium	ppm	ASTM D5185(m)		3485	---	---
Coolant Color		Visual*		Green	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0849309 **Received** : 16 Jan 2024
Lab Number : 02609144 **Diagnosed** : 19 Jan 2024
Unique Number : 5710230 **Diagnostician** : Kevin Marson
Test Package : COOL (Additional Tests: CENTRIFUGE(WARD))

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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.