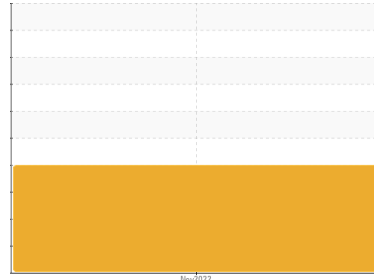




COOLANT REPORT

Sample Rating Trend



SCAS



Machine Id
DWGCWLD RAM1010028

Component
Coolant
Fluid
CONVENTIONAL COOLANT (--- GAL)

DIAGNOSIS

▲ Recommendation

The coolant change at the time of sampling has been noted. Resample at the next service interval to monitor.

Corrosion

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

Contaminants

There is no indication of any contamination in the coolant.

▲ Coolant Condition

The reserve alkalinity of this fluid is lower than acceptable. The low nitrite level indicates reduced cavitation protection which leads to corrosion and ammonia formation. The pH is low which causes rust formation.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0713523	---	---
Sample Date	Client Info		25 Nov 2022	---	---
Machine Age	hrs	Client Info	2098	---	---
Oil Age	hrs	Client Info	2098	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ABNORMAL	---	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*		1.067	---	---
pH	Scale 0-14	ASTM D1287*	9.5	▲ 7.75	---
Nitrites	ppm	Alcan Test Kit*	1500	▲ 600	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	▲ 5.2	---
Percentage Glycol	%	ASTM D3321*	50	50.0	---
Freezing Point	°C	ASTM D3321*	-40	-35	---
Carboxylate			---	---	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		13	---
Phosphorus	ppm	ASTM D5185(m)		227	---
Boron	ppm	ASTM D5185(m)		8	---
Molybdenum	ppm	ASTM D5185(m)		58	---

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	10	---
Aluminum	ppm	ASTM D5185(m)	>10	8	---
Copper	ppm	ASTM D5185(m)	>10	4	---
Lead	ppm	ASTM D5185(m)	>10	<1	---
Tin	ppm	ASTM D5185(m)	>10	0	---
Silver	ppm	ASTM D5185(m)	>10	0	---
Zinc	ppm	ASTM D5185(m)		19	---

CARRIER SALTS



	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		664	---
Potassium	ppm	ASTM D5185(m)		4200	---

SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	10	---
Magnesium	ppm	ASTM D5185(m)	>40	8	---
Hardness	mg/L CaCO3	In-house*	<75	58	---

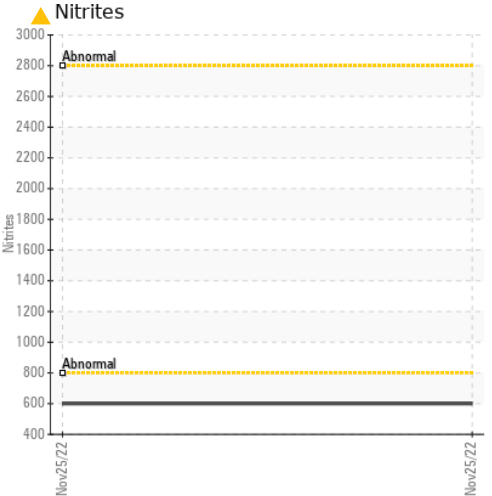
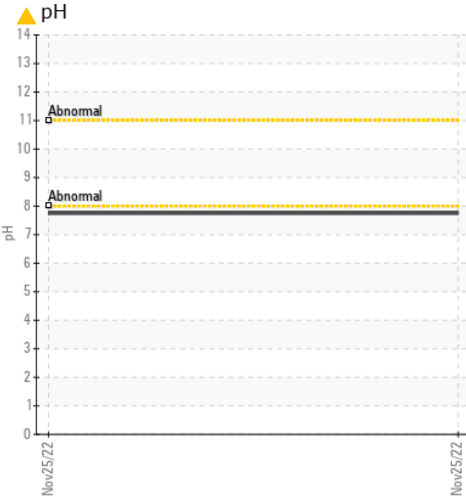
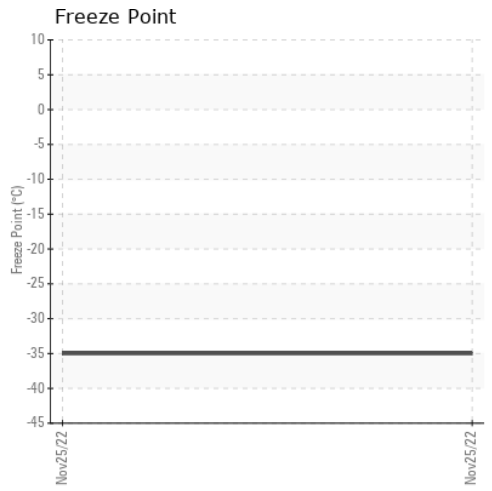
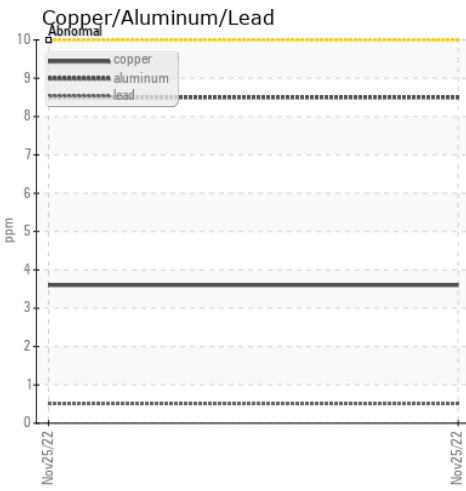
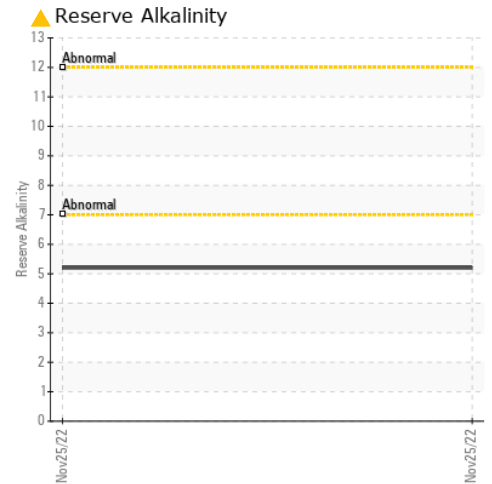
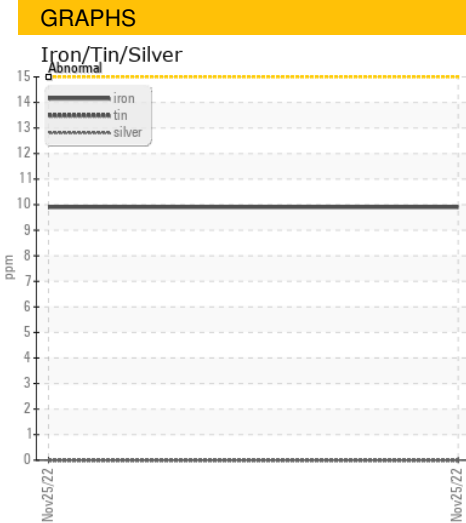
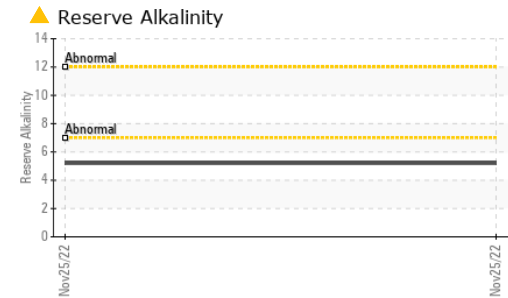
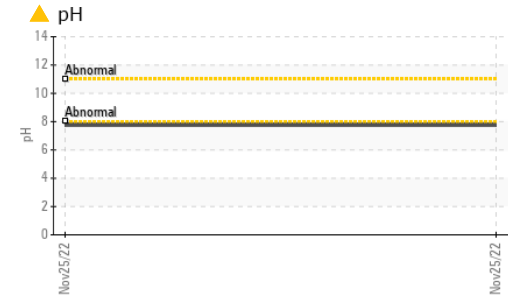
VISUAL

	method	limit/base	current	history1	history2
Coolant Color	Visual*	Green	Green	---	---
Coolant Appearance	Visual*	Clear	Clear	---	---

Color			no image	no image
Bottom			no image	no image



COOLANT REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0713523 **Received** : 30 Nov 2022
Lab Number : 02525912 **Diagnosed** : 01 Dec 2022
Unique Number : 5498910 **Diagnostician** : Kevin Marson
Test Package : COOL

C.G. EQUIPMENT
 7367 Wellington Rd. 30, Unit A
 Guelph, ON
 CA N0M 2T0
 Contact: CG Equipment CG Guelph
 cory@cgequipment.com
 T: (519)826-0550
 F: (519)837-2055

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.