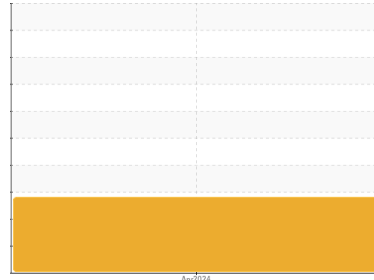




COOLANT REPORT

Sample Rating Trend



SCAS



Area
Machine Id
Component
Fluid

Equipement de sécurité/sauvetage
VOLVO 10B01A (S/N VP7730974-8)
Coolant
CONVENTIONAL COOLANT (--- GAL)

DIAGNOSIS

Recommendation

We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's recommendations. 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 level of this fluid is within the acceptable limits.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0866062	---	---
Sample Date	Client Info		03 Apr 2024	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

PHYSICAL TEST RESULTS	method	limit/base	current	history1	history2
Glycol Type	FT-IR		UNK	---	---
Specific Gravity	ASTM D1298*		1.063	---	---
pH	Scale 0-14	ASTM D1287*	9.5	9.71	---
Nitrites	ppm	Alcan Test Kit*	1500	▲ 600	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	▲ 4.7	---
Percentage Glycol	%	ASTM D3321*	50	46.6	---
Freezing Point	°C	ASTM D3321*	-40	-32	---
Carboxylate				---	---

CORROSION INHIBITORS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		23	---
Phosphorus	ppm	ASTM D5185(m)		442	---
Boron	ppm	ASTM D5185(m)		217	---
Molybdenum	ppm	ASTM D5185(m)		14	---

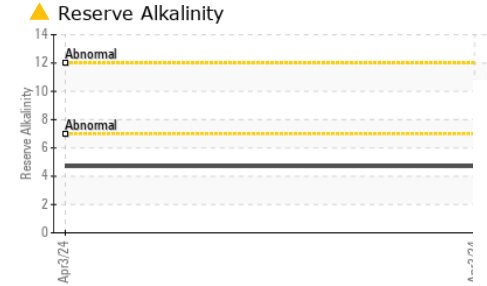
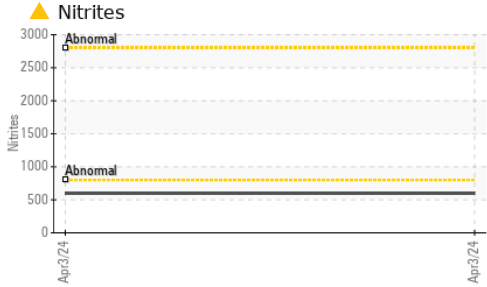
CORROSION	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	0	---
Aluminum	ppm	ASTM D5185(m)	>10	0	---
Copper	ppm	ASTM D5185(m)	>10	<1	---
Lead	ppm	ASTM D5185(m)	>10	0	---
Tin	ppm	ASTM D5185(m)	>10	0	---
Silver	ppm	ASTM D5185(m)	>10	0	---
Zinc	ppm	ASTM D5185(m)		<1	---

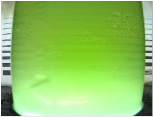

CARRIER SALTS	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		1060	---
Potassium	ppm	ASTM D5185(m)		1251	---

SCALE POTENTIAL	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	1	---
Magnesium	ppm	ASTM D5185(m)	>40	1	---
Hardness	mg/L CaCO3	In-house*	<75	7	---

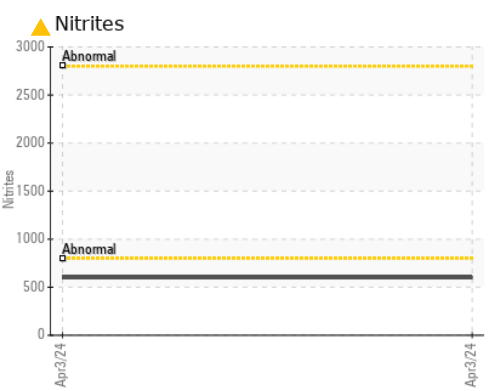
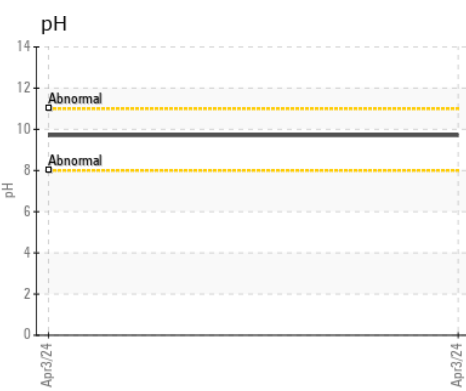
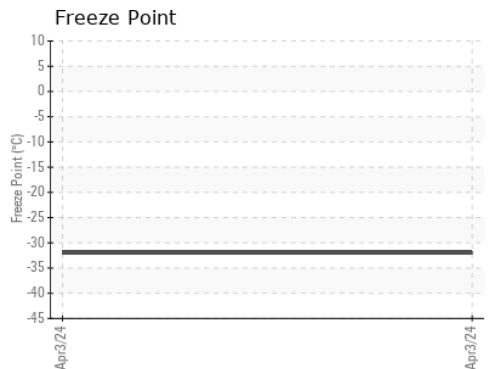
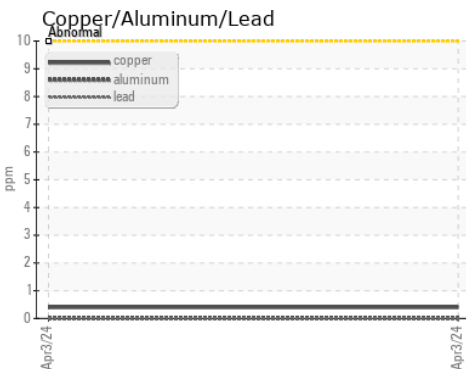
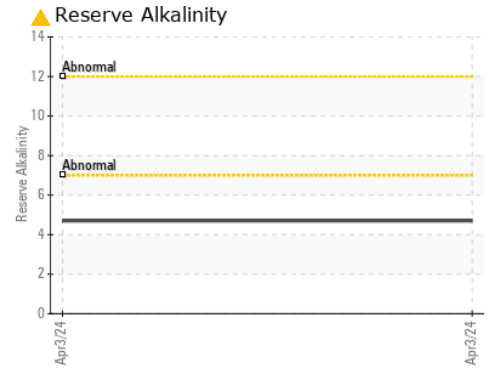
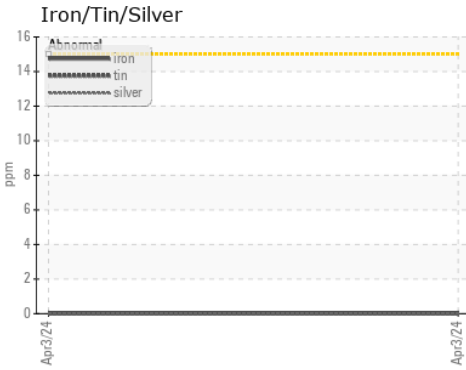


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0866062 **Received** : 22 Apr 2024
Lab Number : **02630802** **Tested** : 22 Apr 2024
Unique Number : 5763934 **Diagnosed** : 23 Apr 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType)

Canadian Coast Guard
 CCGS Pierre Radisson, 101 Boul. Champlain
 Quebec, QC
 CA G1K 7Y7

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.

Contact: Pierre Radisson
 PierreRadissonCE@ccgs-ngcc.gc.ca
 T: (418)563-1737
 F: