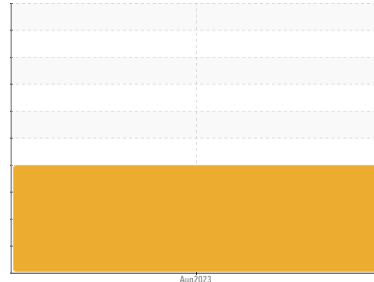


# COOLANT REPORT

Sample Rating Trend

**OFF SPEC**

Area  
**[6100095615]**  
Machine Id  
**VOLVO TAD117072VE 7011446717**  
Component  
**Coolant**  
Fluid  
**HYBRID (HOAT) COOLANT (--- GAL)**



## DIAGNOSIS

### 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.

### 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 coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. The glycol level is too high which leads to over-heating and additive drop-out. 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	<b>WA0019798</b>	---	---
Sample Date	Client Info	<b>29 Aug 2023</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---
Oil Age	hrs	Client Info	<b>1</b>	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*	<b>1.084</b>	---	---
pH	Scale 0-14	ASTM D1287*	<b>10.2</b>	---
Nitrites	ppm	Alcan Test Kit*	<b>400</b>	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	<b>5.5</b>	---
Percentage Glycol	%	ASTM D3321*	<b>▲ 64.5</b>	---
Freezing Point	°C	ASTM D3321*	<b>▲ -63</b>	---
Carboxylate			---	---

## CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<b>137</b>	---
Phosphorus	ppm	ASTM D5185(m)	<b>11</b>	---
Boron	ppm	ASTM D5185(m)	<b>292</b>	---
Molybdenum	ppm	ASTM D5185(m)	<b>1</b>	---

## CORROSION

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



## CARRIER SALTS

method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D5185(m)		<b>3231</b>	---
Potassium	ppm	ASTM D5185(m)		<b>60</b>	---

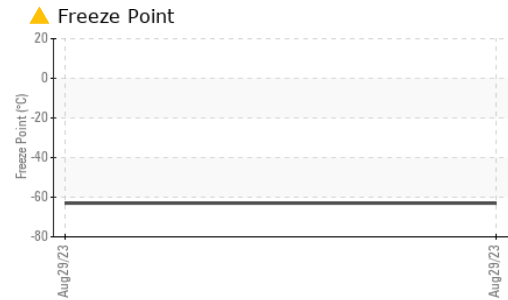
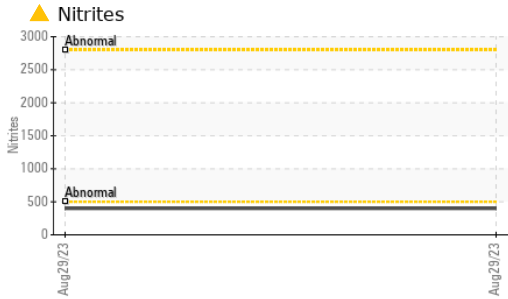
## SCALE POTENTIAL

method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D5185(m)	>100	<b>7</b>	---
Magnesium	ppm	ASTM D5185(m)	>40	<b>1</b>	---
Hardness	mg/L CaCO3	In-house*	<75	<b>21</b>	---

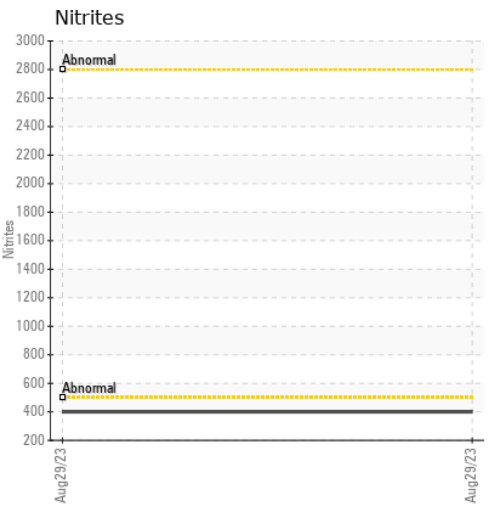
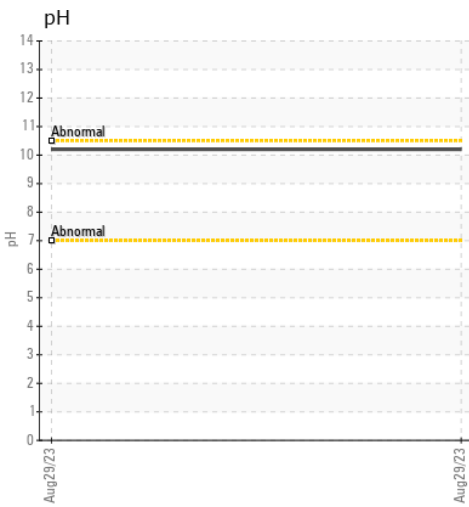
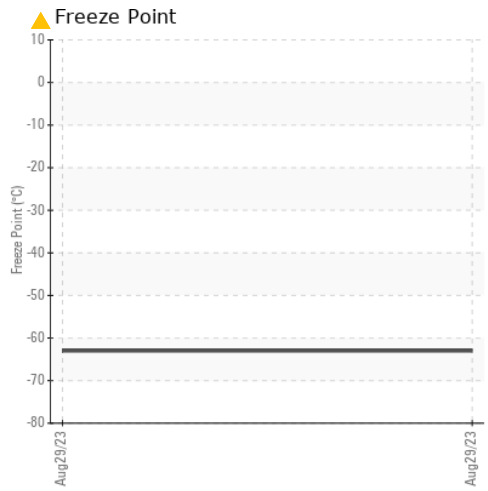
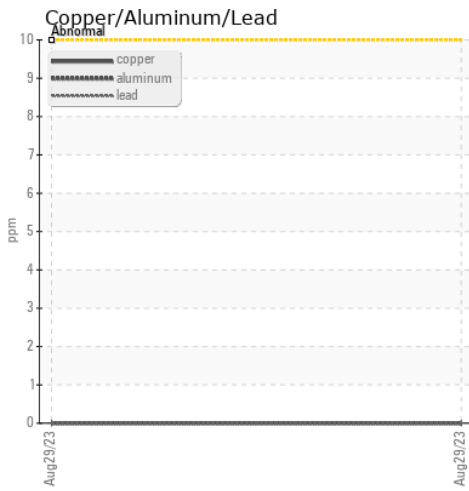
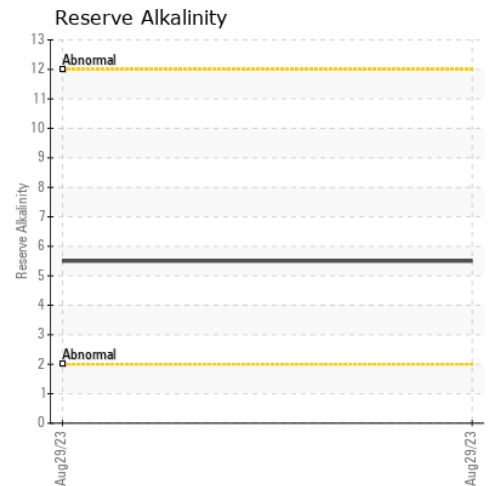
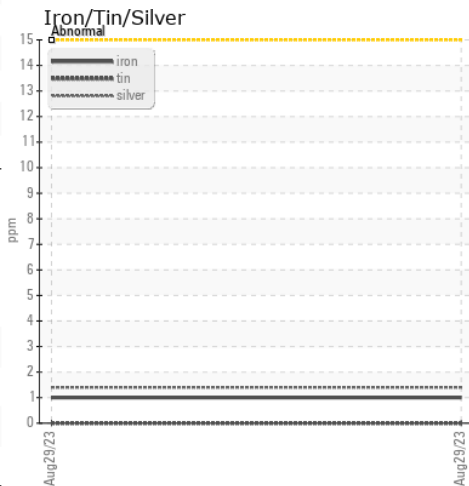
## VISUAL

method	limit/base	current	history1	history2
Coolant Color	Visual*	<b>Pink</b>	---	---
Coolant Appearance	Visual*	<b>▲ Cloudy</b>	---	---
Color			no image	no image
Bottom			no image	no image

# COOLANT REPORT



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GLENCORE CANADA CORP. RAGLAN MINE  
**Sample No.** : WA0019798 **Received** : 31 Aug 2023 120 AVENUE DE L'AEROPORT  
**Lab Number** : 02579820 **Diagnosed** : 01 Sep 2023 ROUYN-NORANDA, QC  
**Unique Number** : 5632880 **Diagnostician** : Kevin Marson CA J9Y 0G1  
**Test Package** : COOL **Contact**: Laurent Vivier

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.

T:  
F: