



# COOLANT REPORT

|                   |               |
|-------------------|---------------|
| CORROSION         | <b>NORMAL</b> |
| CONTAMINANTS      | <b>NORMAL</b> |
| COOLANT CONDITION | <b>NORMAL</b> |

Area

**[24416]**

Machine Id

**112994**

Component

**Coolant**

Fluid

**VOLVO COOLANT VCS (YELLOW) (--- GAL)**

## RECOMMENDATION

The fluid is suitable for further service. Resample at the next service interval to monitor.

| Test          | UOM | Method      | Limit/Abn | Current            | History1    | History2 |
|---------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number |     | Client Info |           | <b>WC0933633</b>   | WC0521231   | ---      |
| Sample Date   |     | Client Info |           | <b>05 Jun 2024</b> | 03 Nov 2022 | ---      |
| Machine Age   | hrs | Client Info |           | <b>0</b>           | 11          | ---      |
| Oil Age       | hrs | Client Info |           | <b>0</b>           | 11          | ---      |
| Oil Changed   |     | Client Info |           | <b>N/A</b>         | Not Changd  | ---      |
| Sample Status |     |             |           | <b>NORMAL</b>      | NORMAL      | ---      |

## CORROSION

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

|          |     |               |     |              |    |     |
|----------|-----|---------------|-----|--------------|----|-----|
| Iron     | ppm | ASTM D5185(m) | >15 | <b>1</b>     | <1 | --- |
| Aluminum | ppm | ASTM D5185(m) | >10 | <b>&lt;1</b> | 1  | --- |
| Copper   | ppm | ASTM D5185(m) | >10 | <b>1</b>     | 2  | --- |
| Lead     | ppm | ASTM D5185(m) | >10 | <b>0</b>     | <1 | --- |
| Tin      | ppm | ASTM D5185(m) | >10 | <b>0</b>     | <1 | --- |
| Silver   | ppm | ASTM D5185(m) | >10 | <b>&lt;1</b> | <1 | --- |
| Zinc     | ppm | ASTM D5185(m) | >10 | <b>4</b>     | 3  | --- |

## CONTAMINANTS

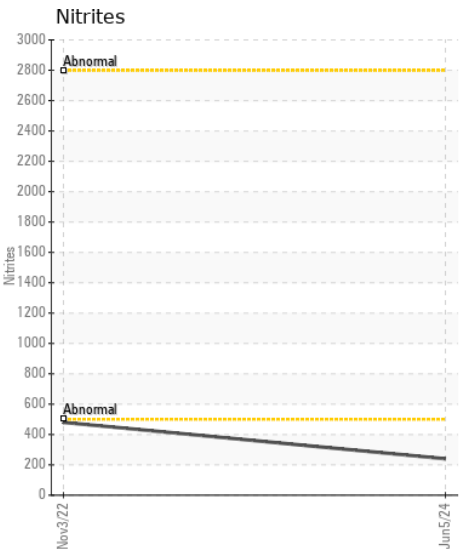
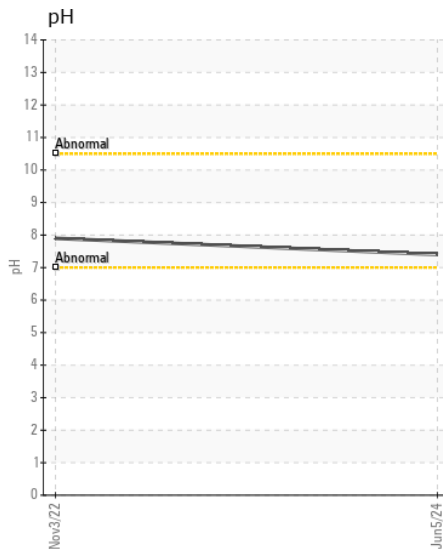
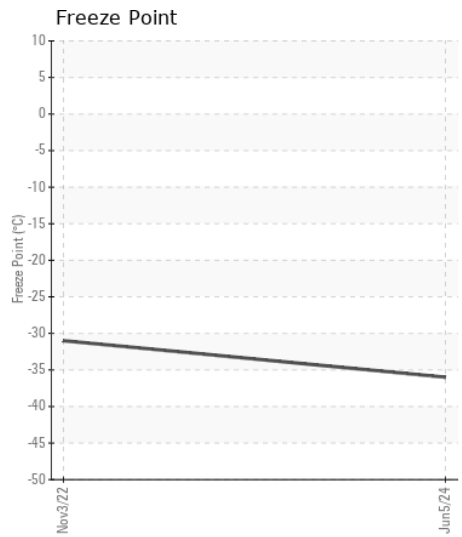
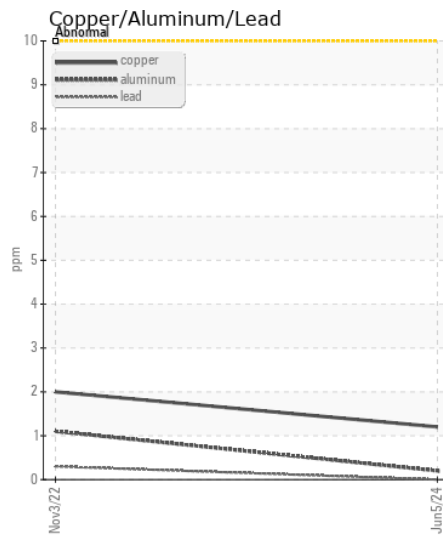
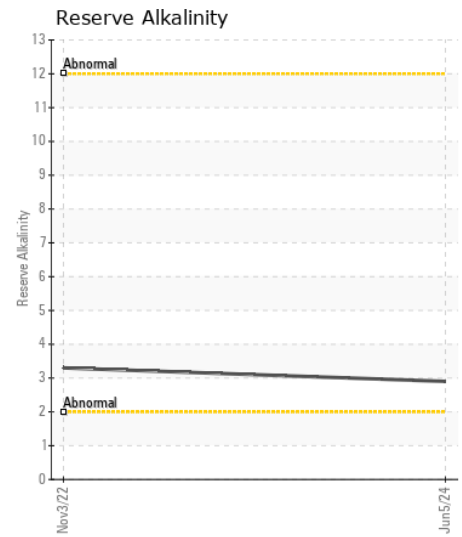
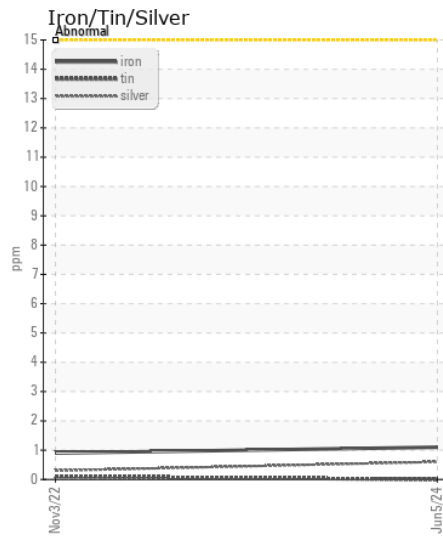
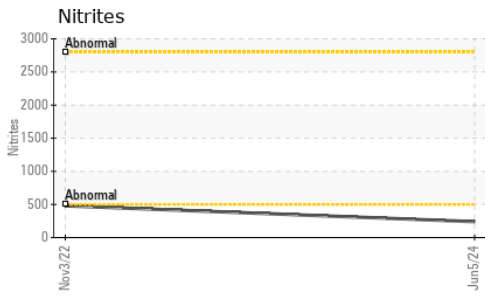
There is no indication of any contamination in the coolant.

|                    |        |               |       |              |       |     |
|--------------------|--------|---------------|-------|--------------|-------|-----|
| Calcium            | ppm    | ASTM D5185(m) | >100  | <b>10</b>    | 9     | --- |
| Magnesium          | ppm    | ASTM D5185(m) | >40   | <b>3</b>     | 3     | --- |
| Appearance         | scalar | Visual*       | NORML | <b>NORML</b> | NORML | --- |
| Odor               | scalar | Visual*       | NORML | <b>NORML</b> | NORML | --- |
| Coolant Appearance |        | Visual*       | Clear | <b>Clear</b> | Clear | --- |

## COOLANT CONDITION

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

|                    |            |                 |        |               |        |     |
|--------------------|------------|-----------------|--------|---------------|--------|-----|
| Boiling Point      | °C         | WC Method*      |        | <b>107</b>    | ---    | --- |
| Specific Gravity   |            | ASTM D1298*     | 1.068  | <b>1.067</b>  | 1.065  | --- |
| pH                 | Scale 0-14 | ASTM D1287*     | 8.6    | <b>7.40</b>   | 7.90   | --- |
| Nitrites           | ppm        | Alcan Test Kit* | 0      | <b>240</b>    | 480    | --- |
| Reserve Alkalinity | Scale 0-20 | ASTM D1121*     | 3.0    | <b>2.9</b>    | 3.3    | --- |
| Percentage Glycol  | %          | ASTM D3321*     |        | <b>49.3</b>   | 48.7   | --- |
| Freezing Point     | °C         | ASTM D3321*     | -35    | <b>-36</b>    | -31    | --- |
| Carboxylate        |            |                 |        | <b>---</b>    | ---    | --- |
| Silicon            | ppm        | ASTM D5185(m)   | 0      | <b>4</b>      | 3      | --- |
| Phosphorus         | ppm        | ASTM D5185(m)   | 0      | <b>20</b>     | 6      | --- |
| Boron              | ppm        | ASTM D5185(m)   | 0      | <b>11</b>     | 7      | --- |
| Molybdenum         | ppm        | ASTM D5185(m)   |        | <b>&lt;1</b>  | 2      | --- |
| Sodium             | ppm        | ASTM D5185(m)   |        | <b>4463</b>   | 3230   | --- |
| Potassium          | ppm        | ASTM D5185(m)   |        | <b>95</b>     | 64     | --- |
| Coolant Color      |            | Visual*         | Yellow | <b>Orange</b> | Orange | --- |



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0933633  
**Lab Number** : 02641853  
**Unique Number** : 5799392  
**Test Package** : COOL ( Additional Tests: GlycolType )

**SOMMERS GENERATOR SALES LTD.**  
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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.