



# COOLANT REPORT

CORROSION

**NORMAL**

CONTAMINANTS

**NORMAL**

COOLANT CONDITION

**NORMAL**



Area  
**TRANSMISSION/WEST BRAMPTON**

Machine Id  
**260751 (S/N EBG00646)**

Component  
**Coolant**

Fluid  
**CAT EXTENDED LIFE COOLANT (ELC) (--- LTR)**

## 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>WC0918931</b>   | WC0867727   | ---      |
| Sample Date   |     | Client Info |           | <b>13 Mar 2024</b> | 05 Oct 2023 | ---      |
| Machine Age   | hrs | Client Info |           | <b>622</b>         | 0           | ---      |
| Oil Age       | hrs | Client Info |           | <b>0</b>           | 0           | ---      |
| Oil Changed   |     | Client Info |           | <b>N/A</b>         | N/A         | ---      |
| 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>&lt;1</b> | 0  | --- |
| Aluminum | ppm | ASTM D5185(m) | >10 | <b>4</b>     | 2  | --- |
| Copper   | ppm | ASTM D5185(m) | >10 | <b>1</b>     | <1 | --- |
| Lead     | ppm | ASTM D5185(m) | >10 | <b>0</b>     | 0  | --- |
| Tin      | ppm | ASTM D5185(m) | >10 | <b>0</b>     | 0  | --- |
| Silver   | ppm | ASTM D5185(m) | >10 | <b>2</b>     | <1 | --- |
| Zinc     | ppm | ASTM D5185(m) | >10 | <b>1</b>     | 0  | --- |

## CONTAMINANTS

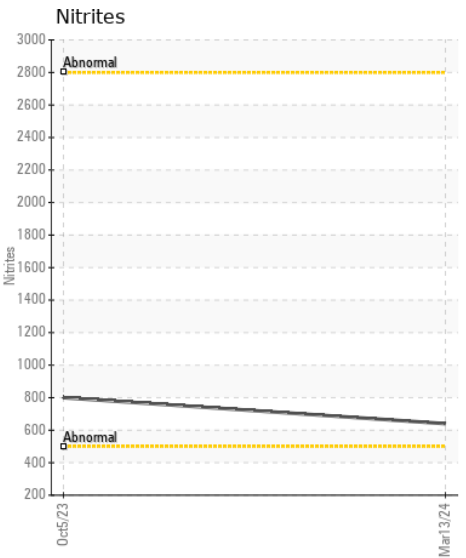
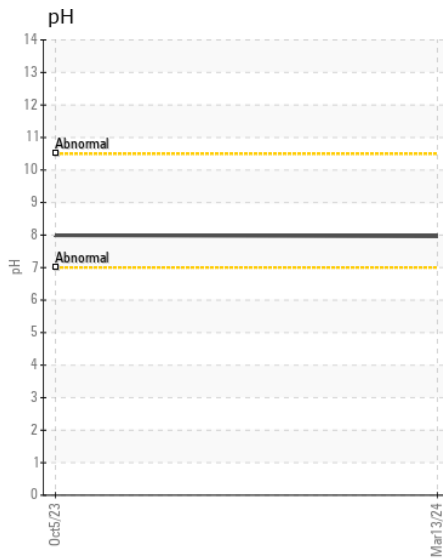
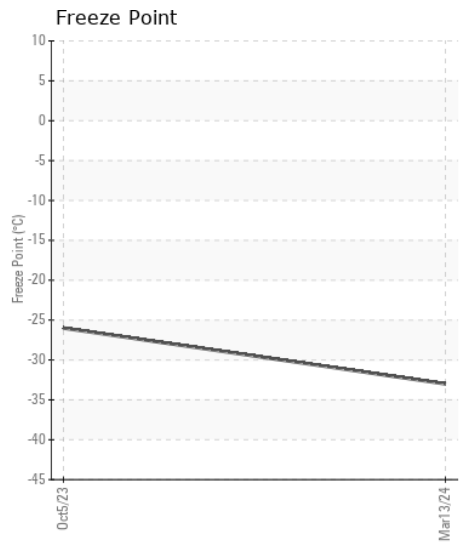
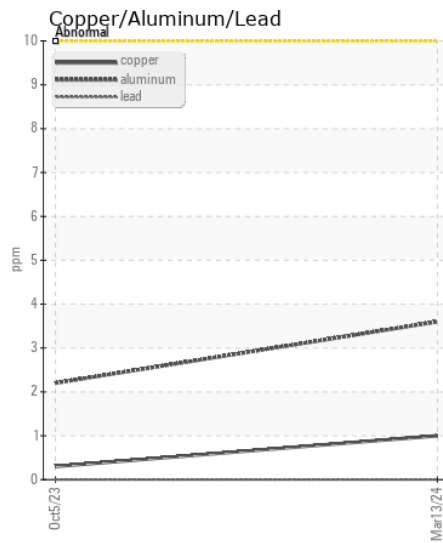
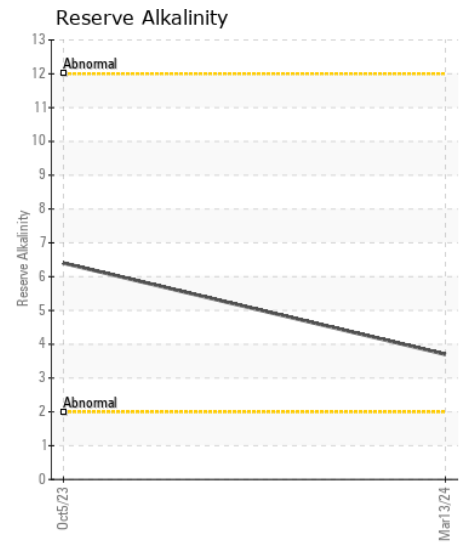
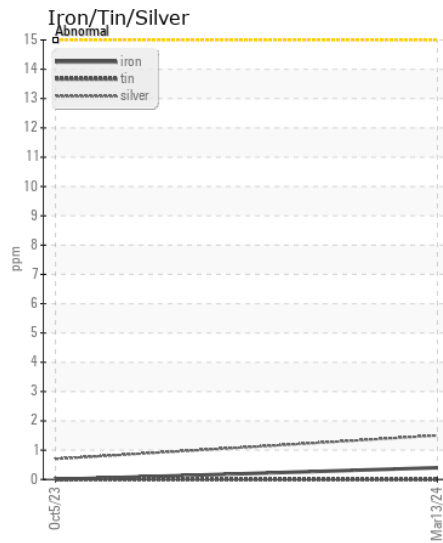
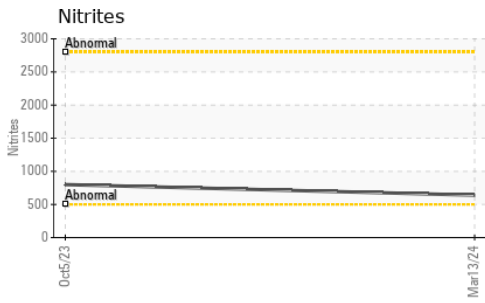
There is no indication of any contamination in the coolant.

|                    |        |               |       |              |       |     |
|--------------------|--------|---------------|-------|--------------|-------|-----|
| Calcium            | ppm    | ASTM D5185(m) | >100  | <b>8</b>     | 10    | --- |
| Magnesium          | ppm    | ASTM D5185(m) | >40   | <b>2</b>     | 2     | --- |
| 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 nitrite level is acceptable. 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*     | 1.070 | <b>1.064</b> | 1.063  | --- |
| pH                 | Scale 0-14 | ASTM D1287*     | 8.3   | <b>7.96</b>  | 7.99   | --- |
| Nitrites           | ppm        | Alcan Test Kit* | 550   | <b>640</b>   | 800    | --- |
| Reserve Alkalinity | Scale 0-20 | ASTM D1121*     | 5.5   | <b>3.7</b>   | 6.4    | --- |
| Percentage Glycol  | %          | ASTM D3321*     | 50    | <b>47.0</b>  | 46.8   | --- |
| Freezing Point     | °C         | ASTM D3321*     | -37   | <b>-33</b>   | -26    | --- |
| Carboxylate        |            |                 |       | <b>---</b>   | ---    | --- |
| Silicon            | ppm        | ASTM D5185(m)   | 0     | <b>9</b>     | 12     | --- |
| Phosphorus         | ppm        | ASTM D5185(m)   | 0     | <b>254</b>   | 71     | --- |
| Boron              | ppm        | ASTM D5185(m)   | 0     | <b>18</b>    | 25     | --- |
| Molybdenum         | ppm        | ASTM D5185(m)   | 950   | <b>554</b>   | 513    | --- |
| Sodium             | ppm        | ASTM D5185(m)   |       | <b>5491</b>  | 5358   | --- |
| Potassium          | ppm        | ASTM D5185(m)   |       | <b>884</b>   | 584    | --- |
| Coolant Color      |            | Visual*         | Red   | <b>Red</b>   | Orange | --- |



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0918931  
**Lab Number** : 02625060  
**Unique Number** : 5750179  
**Test Package** : COOL ( Additional Tests: GlycolType )

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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.