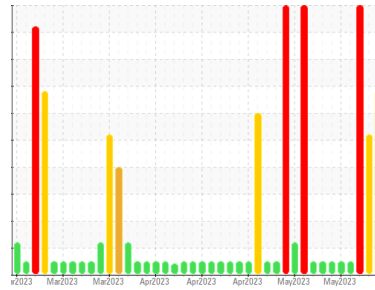




# COOLANT REPORT

Sample Rating Trend



CARBOXYLATE



Area  
**WCLSNC**  
 Machine Id  
**QC COOL ELC NC 09012022**  
 Component  
**Coolant**  
 Fluid  
**CAT EXTENDED LIFE COOLANT (ELC) (--- GAL)**

## DIAGNOSIS

| SAMPLE INFORMATION |             | method      | limit/base | current            | history1    | history2    |
|--------------------|-------------|-------------|------------|--------------------|-------------|-------------|
| Sample Number      | Client Info |             |            | <b>WC0817100</b>   | WC0817097   | WC0817096   |
| Sample Date        | Client Info |             |            | <b>22 May 2023</b> | 19 May 2023 | 18 May 2023 |
| Machine Age        | hrs         | Client Info |            | <b>0</b>           | 0           | 0           |
| Oil Age            | hrs         | Client Info |            | <b>0</b>           | 0           | 0           |
| Oil Changed        | Client Info |             |            | <b>N/A</b>         | N/A         | N/A         |
| Sample Status      |             |             |            | <b>SEVERE</b>      | SEVERE      | SEVERE      |

| PHYSICAL TEST RESULTS  |            | method      | limit/base | current      | history1 | history2 |
|------------------------|------------|-------------|------------|--------------|----------|----------|
| Specific Gravity       |            | *ASTM D1298 |            | <b>1.067</b> | 1.067    | 1.067    |
| pH                     | Scale 0-14 | ASTM D1287  |            | <b>8.12</b>  | 8.14     | 8.11     |
| Nitrites               | ppm        | AP-053:2009 |            | <b>936</b>   | 636      | 676      |
| Reserve Alkalinity     | Scale 0-20 | *ASTM D1121 |            | <b>---</b>   | ---      | ---      |
| Percentage Glycol      | %          | ASTM D3321  |            | <b>49.8</b>  | 49.8     | 50.0     |
| Freezing Point         | °F         | ASTM D3321  |            | <b>-33</b>   | -33      | -35      |
| Total Dissolved Solids |            |             |            | <b>342.0</b> | 323.5    | 341.0    |
| Carboxylate            |            |             |            | <b>fail</b>  | pass     | pass     |

| CORROSION INHIBITORS |     | method     | limit/base | current     | history1 | history2 |
|----------------------|-----|------------|------------|-------------|----------|----------|
| Silicon              | ppm | ASTM D6130 | 0          | <b>20</b>   | 21       | 21       |
| Phosphorus           | ppm | ASTM D6130 | 0          | <b>50</b>   | 50       | 52       |
| Boron                | ppm | ASTM D6130 | 0          | <b>20</b>   | 20       | 22       |
| Molybdenum           | ppm | ASTM D6130 | 950        | <b>1124</b> | 1148     | 1169     |

| CORROSION |     | method     | limit/base | current  | history1 | history2 |
|-----------|-----|------------|------------|----------|----------|----------|
| Iron      | ppm | ASTM D6130 | >2         | <b>0</b> | <1       | 0        |
| Aluminum  | ppm | ASTM D6130 | >2         | <b>1</b> | 2        | <1       |
| Copper    | ppm | ASTM D6130 | >2         | <b>1</b> | 1        | 1        |
| Lead      | ppm | ASTM D6130 | >2         | <b>1</b> | <1       | <1       |
| Tin       | ppm | ASTM D6130 | >2         | <b>2</b> | 1        | 1        |
| Zinc      | ppm | ASTM D6130 | >2         | <b>1</b> | 2        | <1       |

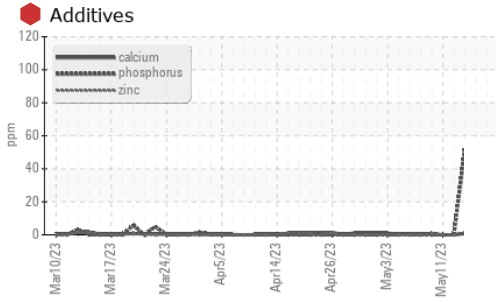
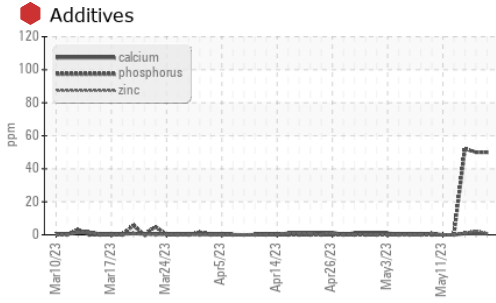
| CONTAMINANTS |     | method     | limit/base | current   | history1 | history2 |
|--------------|-----|------------|------------|-----------|----------|----------|
| Chlorine     | ppm | ASTM D6130 |            | <b>37</b> | 38       | 39       |

| CARRIER SALTS |     | method     | limit/base | current     | history1 | history2 |
|---------------|-----|------------|------------|-------------|----------|----------|
| Sodium        | ppm | ASTM D6130 |            | <b>5565</b> | 5774     | 5770     |
| Potassium     | ppm | ASTM D6130 |            | <b>39</b>   | 51       | 116      |

| SCALE POTENTIAL |     | method     | limit/base | current      | history1 | history2 |
|-----------------|-----|------------|------------|--------------|----------|----------|
| Calcium         | ppm | ASTM D6130 | >5         | <b>&lt;1</b> | <1       | <1       |
| Magnesium       | ppm | ASTM D6130 | >6         | <b>1</b>     | 1        | 1        |

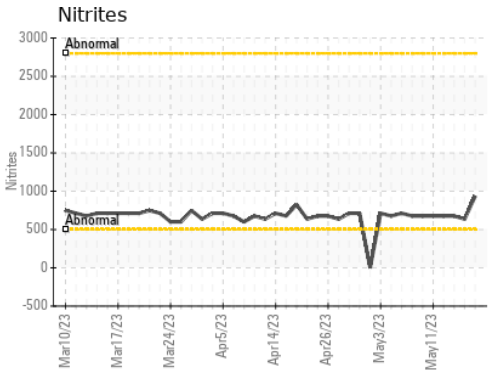
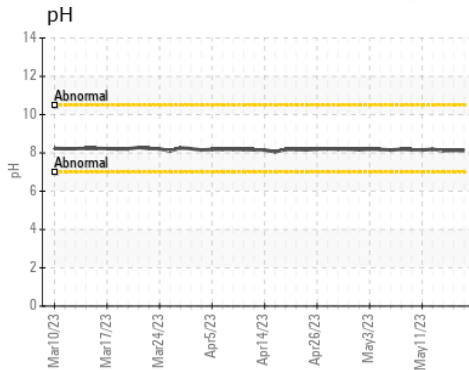
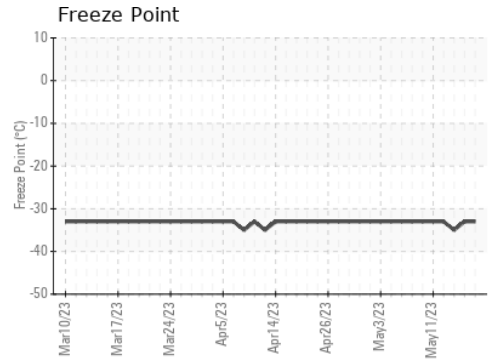
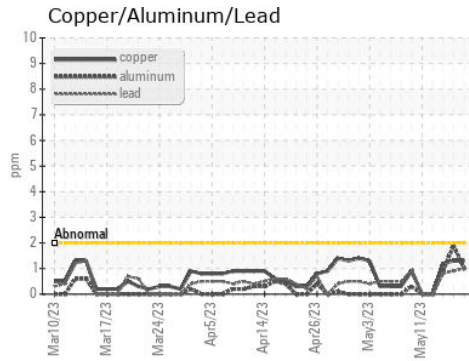
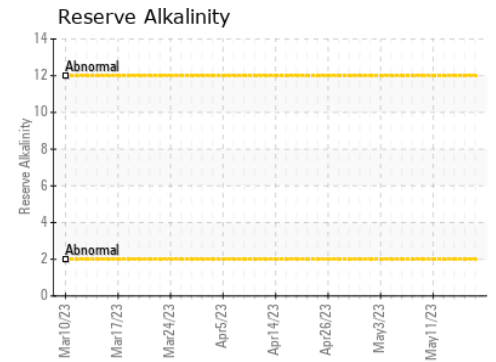
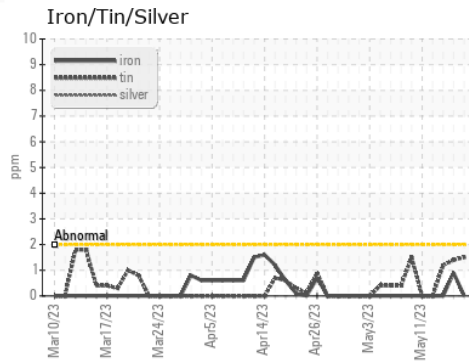


# COOLANT REPORT



| VISUAL             | method  | limit/base | current | history1 | history2 |
|--------------------|---------|------------|---------|----------|----------|
| Coolant Color      | *Visual |            | Red     | Red      | Red      |
| Coolant Appearance | *Visual | Clear      | normal  | normal   | normal   |
| Color              |         |            |         |          |          |
| Bottom             |         |            |         |          |          |

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0817100 **Received** : 22 May 2023  
**Lab Number** : 05853666 **Diagnosed** : 02 Oct 2023  
**Unique Number** : 10483021 **Diagnostician** : System  
**Test Package** : COOL- ( Additional Tests: COOL, ICP )

**WEARCHECK LUBRICATION SERVICES QA ACCOUNT**  
 501 Madison Ave  
 Cary, NC  
 US 27513  
 Contact: WCLS CARY NC

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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