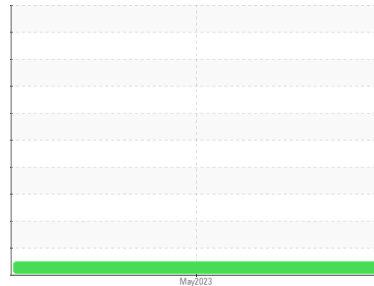




# COOLANT REPORT

Sample Rating Trend



**NORMAL**



Area  
**DAKOTA RANGE III [200006928]**

Machine Id  
**19WEA87754 - D-02-A**

Component  
**Coolant**  
 Fluid  
**CLARIANT ANTIFROGEN N (--- LTR)**

## DIAGNOSIS

### Recommendation

The fluid is suitable for further service.

### 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

Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

## SAMPLE INFORMATION

|               | method      | limit/base  | current            | history1 | history2 |
|---------------|-------------|-------------|--------------------|----------|----------|
| Sample Number | Client Info |             | <b>NX010396</b>    | ---      | ---      |
| Sample Date   | Client Info |             | <b>04 May 2023</b> | ---      | ---      |
| Machine Age   | hrs         | Client Info | <b>14344</b>       | ---      | ---      |
| Oil Age       | hrs         | Client Info | <b>0</b>           | ---      | ---      |
| Oil Changed   | Client Info |             | <b>Changed</b>     | ---      | ---      |
| Sample Status |             |             | <b>NORMAL</b>      | ---      | ---      |

## PHYSICAL TEST RESULTS

|                        | method                    | limit/base | current      | history1 | history2 |
|------------------------|---------------------------|------------|--------------|----------|----------|
| Specific Gravity       | *ASTM D1298               | 1.11       | <b>1.067</b> | ---      | ---      |
| pH                     | Scale 0-14<br>ASTM D1287  | 8.5        | <b>8.04</b>  | ---      | ---      |
| Nitrites               | ppm<br>AP-053:2009        |            | <b>184</b>   | ---      | ---      |
| Reserve Alkalinity     | Scale 0-20<br>*ASTM D1121 | 4.0        | <b>---</b>   | ---      | ---      |
| Percentage Glycol      | %<br>ASTM D3321           | 44         | <b>49.8</b>  | ---      | ---      |
| Freezing Point         | °F<br>ASTM D3321          | -32        | <b>-33</b>   | ---      | ---      |
| Total Dissolved Solids |                           |            | <b>277.0</b> | ---      | ---      |
| Carboxylate            |                           |            | <b>n/a</b>   | ---      | ---      |

## CORROSION INHIBITORS

|            | method            | limit/base | current    | history1 | history2 |
|------------|-------------------|------------|------------|----------|----------|
| Silicon    | ppm<br>ASTM D6130 | 3          | <b>9</b>   | ---      | ---      |
| Phosphorus | ppm<br>ASTM D6130 | 5          | <b>51</b>  | ---      | ---      |
| Boron      | ppm<br>ASTM D6130 | 15         | <b>21</b>  | ---      | ---      |
| Molybdenum | ppm<br>ASTM D6130 | 110        | <b>272</b> | ---      | ---      |

## CORROSION

|          | method            | limit/base | current      | history1 | history2 |
|----------|-------------------|------------|--------------|----------|----------|
| Iron     | ppm<br>ASTM D6130 | >15        | <b>2</b>     | ---      | ---      |
| Aluminum | ppm<br>ASTM D6130 | >10        | <b>1</b>     | ---      | ---      |
| Copper   | ppm<br>ASTM D6130 | >10        | <b>1</b>     | ---      | ---      |
| Lead     | ppm<br>ASTM D6130 | >10        | <b>&lt;1</b> | ---      | ---      |
| Tin      | ppm<br>ASTM D6130 | >10        | <b>1</b>     | ---      | ---      |
| Zinc     | ppm<br>ASTM D6130 |            | <b>1</b>     | ---      | ---      |

## CONTAMINANTS

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

## CARRIER SALTS

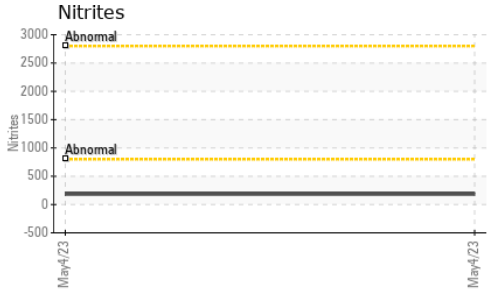
|           | method            | limit/base | current     | history1 | history2 |
|-----------|-------------------|------------|-------------|----------|----------|
| Sodium    | ppm<br>ASTM D6130 | 2400       | <b>5343</b> | ---      | ---      |
| Potassium | ppm<br>ASTM D6130 | 5          | <b>165</b>  | ---      | ---      |

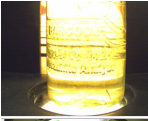

## SCALE POTENTIAL

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

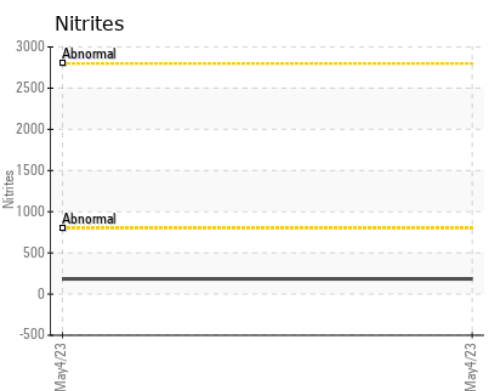
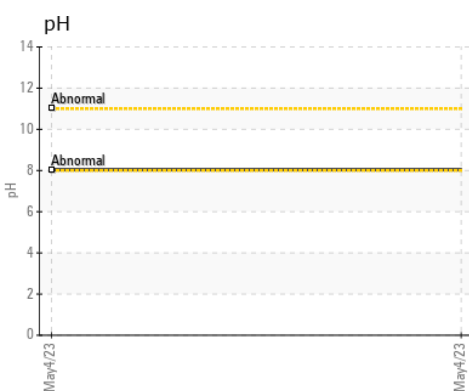
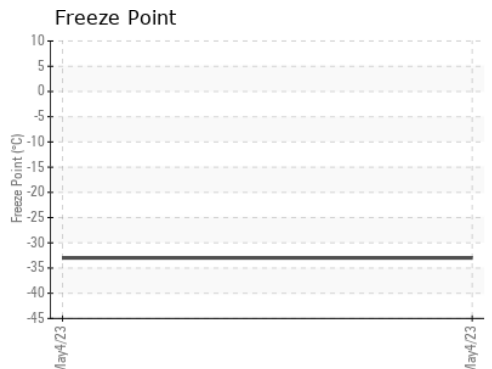
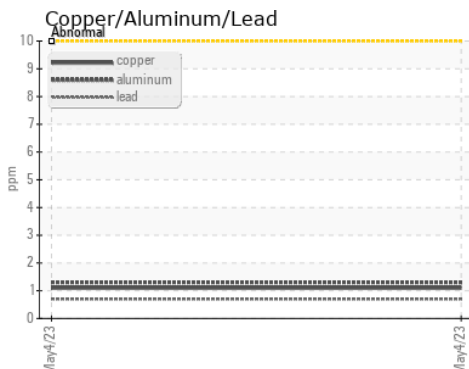
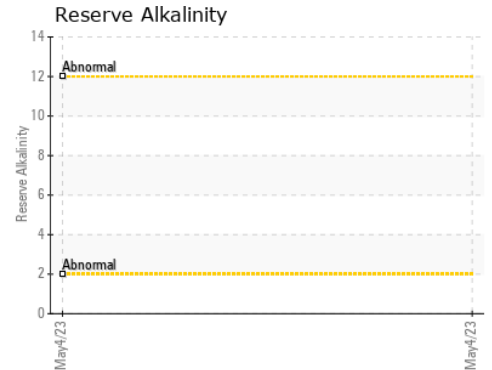
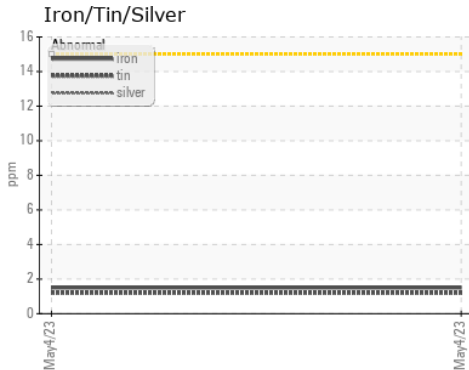


# COOLANT REPORT



| VISUAL             | method  | limit/base | current   | history1 | history2 |
|--------------------|---------|------------|---|----------|----------|
| Coolant Color      | *Visual | Yellow     | <b>Yllow</b>  | ---      | ---      |
| Coolant Appearance | *Visual | Clear      | <b>normal</b>   | ---      | ---      |
| Color              |         |            |  | no image | no image |
| Bottom             |         |            |  | no image | no image |

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : NX010396      **Received** : 19 May 2023  
**Lab Number** : **05852671**      **Tested** : 26 May 2023  
**Unique Number** : 10482026      **Diagnosed** : 26 May 2023 - Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: COOL, ICP )

**NORDEX USA - Chicago**  
 300 SOUTH WACKER DRIVE, SUITE 1500  
 CHICAGO, IL  
 US 60606  
 Contact: DEVIN LINEHAN  
 DLinehan@nordex-online.com

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)