



# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**FRONTIER II [200006776]**  
 Machine Id  
**14WEA86920**  
 Component  
**Coolant**  
 Fluid  
**ISENTHAL VARIDOS 45 (--- 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>NX06026996</b>  | NX05492971  | ---      |
| Sample Date   | Client Info     | <b>27 Nov 2023</b> | 14 Mar 2022 | ---      |
| Machine Age   | hrs Client Info | <b>0</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>      | SEVERE      | ---      |

## PHYSICAL TEST RESULTS

| method                 | limit/base             | current      | history1 | history2 |
|------------------------|------------------------|--------------|----------|----------|
| Specific Gravity       | *ASTM D1298            | <b>1.057</b> | 1.055    | ---      |
| pH                     | Scale 0-14 ASTM D1287  | <b>8.13</b>  | 8.42     | ---      |
| Nitrites               | ppm AP-053:2009        | <b>600</b>   | 112      | ---      |
| Reserve Alkalinity     | Scale 0-20 *ASTM D1121 | <b>---</b>   | ---      | ---      |
| Percentage Glycol      | % ASTM D3321           | <b>42.6</b>  | 40.6     | ---      |
| Freezing Point         | °F ASTM D3321          | <b>-17</b>   | -13      | ---      |
| Total Dissolved Solids |                        | <b>218.5</b> | 188.0    | ---      |
| Carboxylate            |                        | <b>n/a</b>   | fail     | ---      |

## CORROSION INHIBITORS

| method     | limit/base     | current    | history1 | history2 |
|------------|----------------|------------|----------|----------|
| Silicon    | ppm ASTM D6130 | <b>16</b>  | 35       | ---      |
| Phosphorus | ppm ASTM D6130 | <b>0</b>   | 121      | ---      |
| Boron      | ppm ASTM D6130 | <b>0</b>   | 0        | ---      |
| Molybdenum | ppm ASTM D6130 | <b>124</b> | 737      | ---      |

## CORROSION

| method   | limit/base     | current      | history1 | history2 |
|----------|----------------|--------------|----------|----------|
| Iron     | ppm ASTM D6130 | <b>&lt;1</b> | 36       | ---      |
| Aluminum | ppm ASTM D6130 | <b>3</b>     | 152      | ---      |
| Copper   | ppm ASTM D6130 | <b>5</b>     | <1       | ---      |
| Lead     | ppm ASTM D6130 | <b>&lt;1</b> | <1       | ---      |
| Tin      | ppm ASTM D6130 | <b>&lt;1</b> | <1       | ---      |
| Zinc     | ppm ASTM D6130 | <b>3</b>     | 10       | ---      |

## CONTAMINANTS

| method   | limit/base     | current  | history1 | history2 |
|----------|----------------|----------|----------|----------|
| Chlorine | ppm ASTM D6130 | <b>6</b> | 44       | ---      |

## CARRIER SALTS

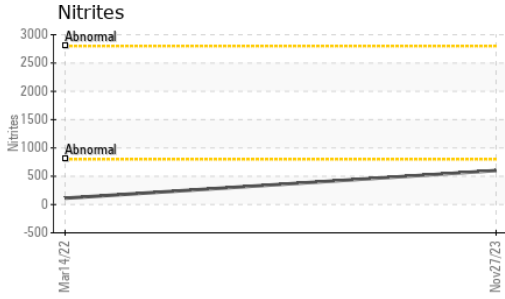
| method    | limit/base     | current     | history1 | history2 |
|-----------|----------------|-------------|----------|----------|
| Sodium    | ppm ASTM D6130 | <b>2568</b> | 1619     | ---      |
| Potassium | ppm ASTM D6130 | <b>332</b>  | 427      | ---      |

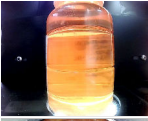
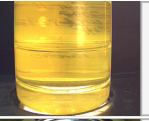


## SCALE POTENTIAL

| method    | limit/base     | current  | history1 | history2 |
|-----------|----------------|----------|----------|----------|
| Calcium   | ppm ASTM D6130 | <b>2</b> | 4        | ---      |
| Magnesium | ppm ASTM D6130 | <b>1</b> | 7        | ---      |

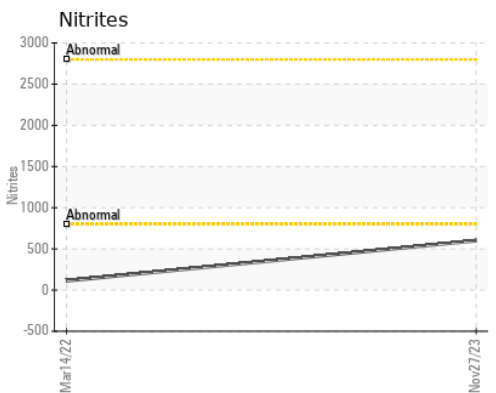
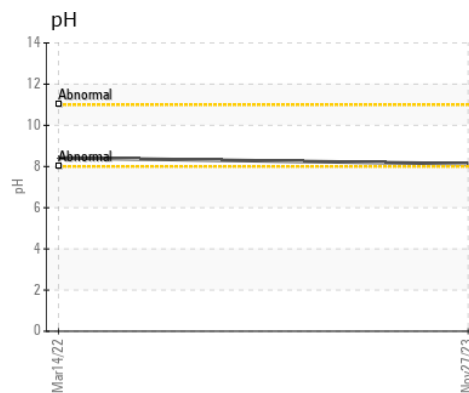
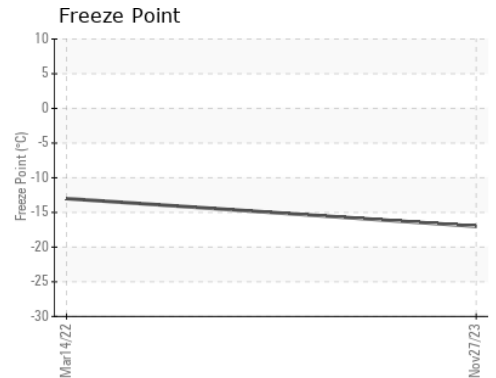
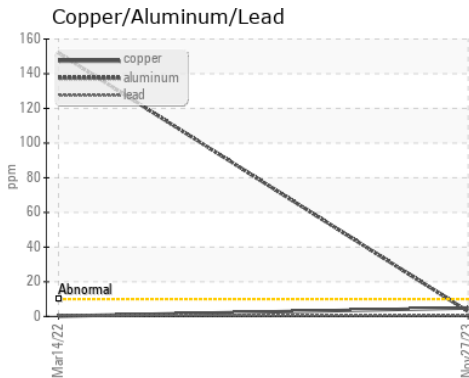
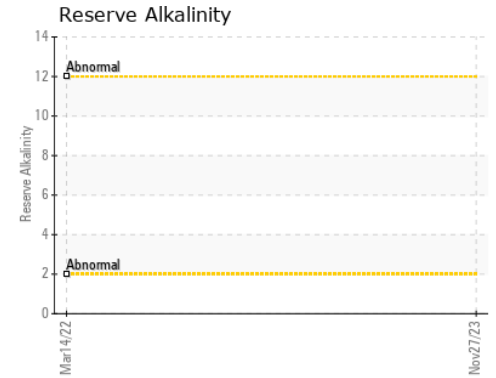
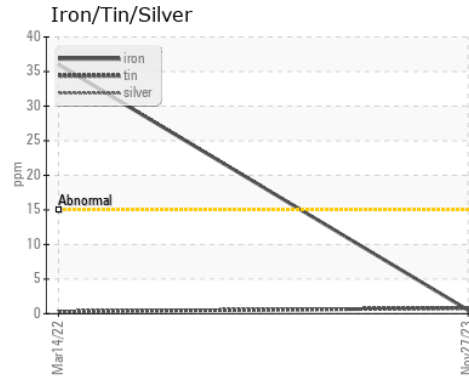


# COOLANT REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : NX06026996    **Received** : 06 Dec 2023  
**Lab Number** : 06026996    **Diagnosed** : 11 Dec 2023  
**Unique Number** : 10776787    **Diagnostician** : Doug Bogart  
**Test Package** : COOL- ( Additional Tests: COOL, ICP )

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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