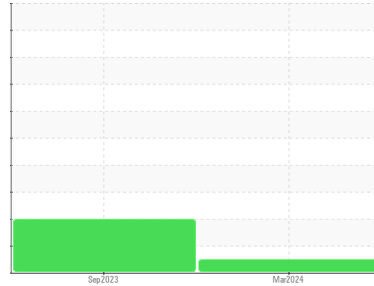




COOLANT REPORT

Sample Rating Trend

NORMAL



Area
GESTION [152826]
 Machine Id
L130613700

Component
Coolant
 Fluid
CONVENTIONAL COOLANT (--- GAL)

DIAGNOSIS

Recommendation

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

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

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

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|-------------|----------|
| Sample Number | Client Info | | | CU0022860 | CU0021343 | --- |
| Sample Date | Client Info | | | 17 Mar 2024 | 12 Sep 2023 | --- |
| Machine Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | Client Info | | | N/A | N/A | --- |
| Sample Status | | | | NORMAL | SEVERE | --- |

| PHYSICAL TEST RESULTS | | method | limit/base | current | history1 | history2 |
|-----------------------|-------------|-----------------|------------|--------------|----------|----------|
| Glycol Type | FT-IR | | | UNK | --- | --- |
| Specific Gravity | ASTM D1298* | | | 1.071 | 1.081 | --- |
| pH | Scale 0-14 | ASTM D1287* | 9.5 | 9.12 | 8.74 | --- |
| Nitrites | ppm | Alcan Test Kit* | 1500 | 2000 | 1400 | --- |
| Reserve Alkalinity | Scale 0-20 | ASTM D1121* | 8.5 | 12.6 | 6.2 | --- |
| Percentage Glycol | % | ASTM D3321* | 50 | 53.0 | 61.2 | --- |
| Freezing Point | °C | ASTM D3321* | -40 | -42 | -59 | --- |
| Carboxylate | | | | --- | --- | --- |

| CORROSION INHIBITORS | | method | limit/base | current | history1 | history2 |
|----------------------|-----|---------------|------------|------------|----------|----------|
| Silicon | ppm | ASTM D5185(m) | | 53 | 4 | --- |
| Phosphorus | ppm | ASTM D5185(m) | | 962 | 50 | --- |
| Boron | ppm | ASTM D5185(m) | | 352 | 22 | --- |
| Molybdenum | ppm | ASTM D5185(m) | | 690 | 17 | --- |

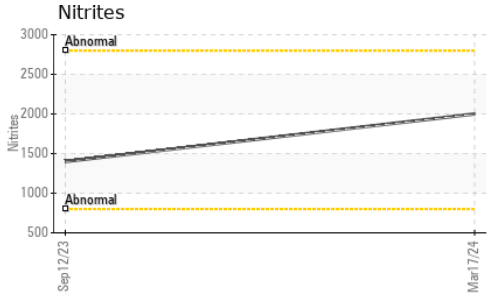
| CORROSION | | method | limit/base | current | history1 | history2 |
|-----------|-----|---------------|------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185(m) | >15 | 0 | 14 | --- |
| Aluminum | ppm | ASTM D5185(m) | >10 | 6 | <1 | --- |
| Copper | ppm | ASTM D5185(m) | >10 | <1 | 2 | --- |
| Lead | ppm | ASTM D5185(m) | >10 | <1 | 4 | --- |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | 0 | --- |
| Silver | ppm | ASTM D5185(m) | >10 | <1 | 2 | --- |
| Zinc | ppm | ASTM D5185(m) | | 0 | 9 | --- |

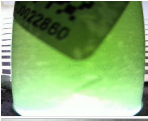
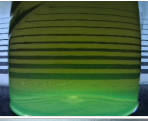


| CARRIER SALTS | | method | limit/base | current | history1 | history2 |
|---------------|-----|---------------|------------|--------------|----------|----------|
| Sodium | ppm | ASTM D5185(m) | | 4047 | 11529 | --- |
| Potassium | ppm | ASTM D5185(m) | | 18845 | 128 | --- |

| SCALE POTENTIAL | | method | limit/base | current | history1 | history2 |
|-----------------|------------|---------------|------------|--------------|--------------|----------|
| Calcium | ppm | ASTM D5185(m) | >100 | <1 | 18 | --- |
| Magnesium | ppm | ASTM D5185(m) | >40 | <1 | 94 | --- |
| Hardness | mg/L CaCO3 | In-house* | <75 | 2 | ▲ 431 | --- |

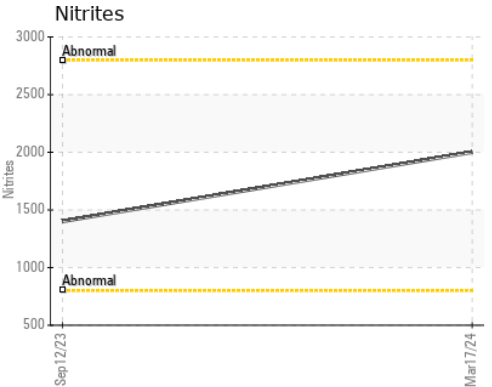
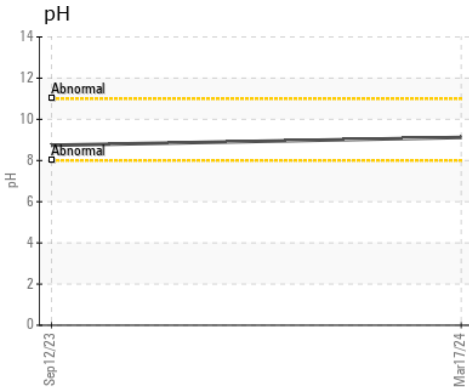
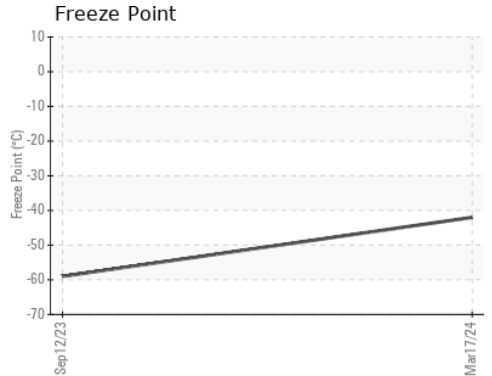
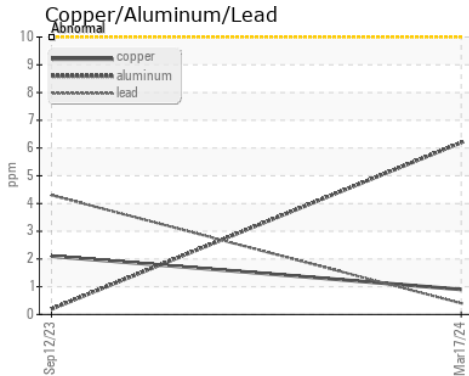
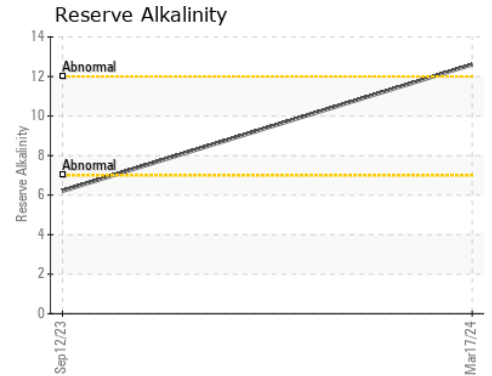
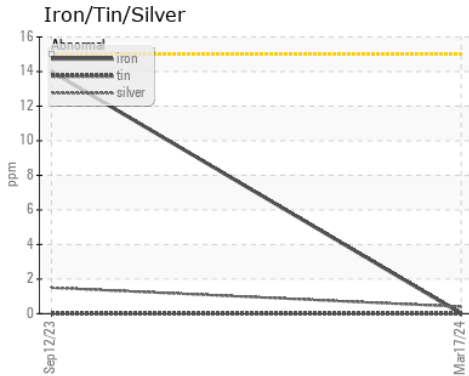


COOLANT REPORT



| VISUAL | method | limit/base | current | history1 | history2 |
|--------------------|---------|------------|---|---|----------|
| Coolant Color | Visual* | Green | Green | Green | --- |
| Coolant Appearance | Visual* | Clear | Clear | Clear | --- |
| Color | | |  |  | no image |
| Bottom | | |  |  | no image |

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CUMMINS CANADA ULC - GENERATOR DIVISION**
Sample No. : CU0022860 **Received** : 18 Mar 2024 **7175 PACIFIC CIRCLE**
Lab Number : 02622870 **Tested** : 20 Mar 2024 **MISSISSAUGA, ON**
Unique Number : 5747989 **Diagnosed** : 20 Mar 2024 - Kevin Marson **CA L5T 2A5**
Test Package : COOL (Additional Tests: GlycolType) **Contact: Zaneef Abboobakar**
zaneef.abboobakar@cummins.com

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.

T:
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