



COOLANT REPORT

| | |
|-------------------|---------------|
| CORROSION | NORMAL |
| CONTAMINANTS | NORMAL |
| COOLANT CONDITION | NORMAL |

Area

SUNLIFE [33553]

Machine Id

CUMMINS QSX15-G9 500KW CUMMINS WESTMOUNT (S/N 6010259475/14020405)

Component

Coolant

Fluid

CONVENTIONAL COOLANT (96 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 | | WC0577020 | WC0817960 | WC0729640 |
| Sample Date | | Client Info | | 10 Apr 2024 | 08 May 2023 | 17 Nov 2022 |
| Machine Age | hrs | Client Info | | 0 | 0 | 330 |
| Oil Age | hrs | Client Info | | 0 | 0 | 8 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

CORROSION

All metal levels are normal indicating no corrosion in the cooling system.

| | | | | | | |
|----------|-----|---------------|-----|--------------|----|----|
| Iron | ppm | ASTM D5185(m) | >15 | 0 | 1 | 1 |
| Aluminum | ppm | ASTM D5185(m) | >10 | 1 | 2 | 2 |
| Copper | ppm | ASTM D5185(m) | >10 | 1 | 4 | 4 |
| Lead | ppm | ASTM D5185(m) | >10 | 0 | <1 | 1 |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185(m) | >10 | <1 | <1 | 0 |
| Zinc | ppm | ASTM D5185(m) | >10 | <1 | <1 | 1 |

CONTAMINANTS

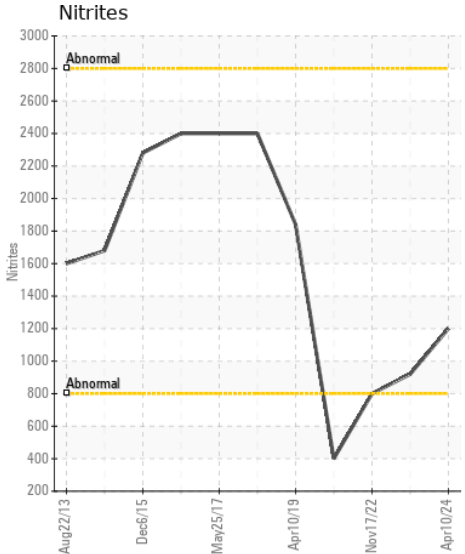
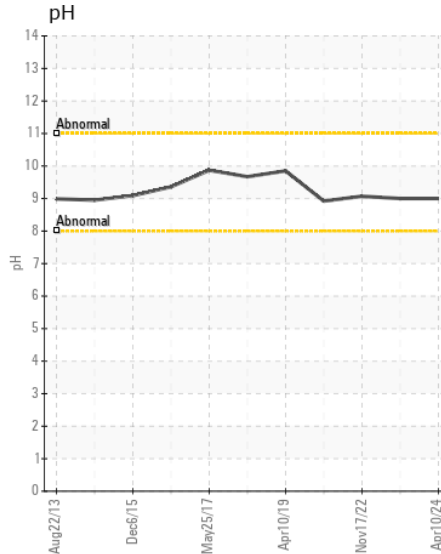
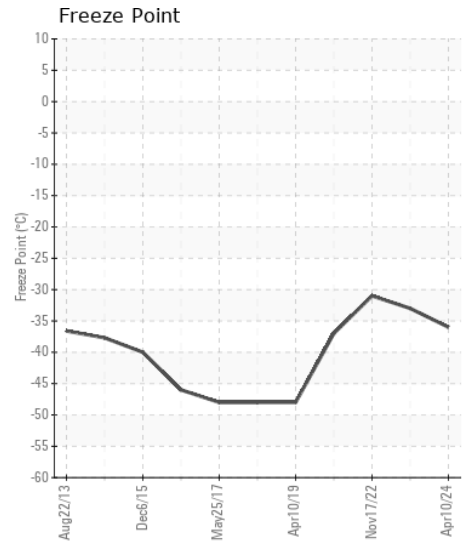
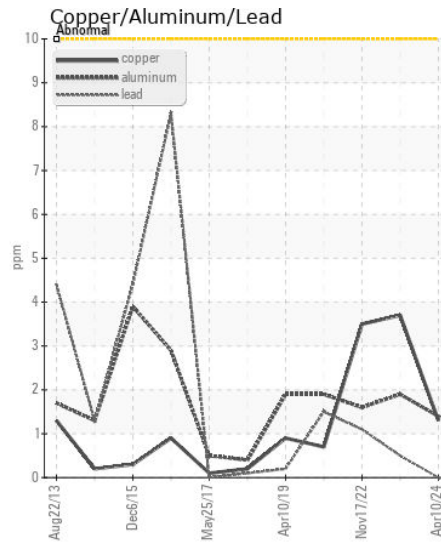
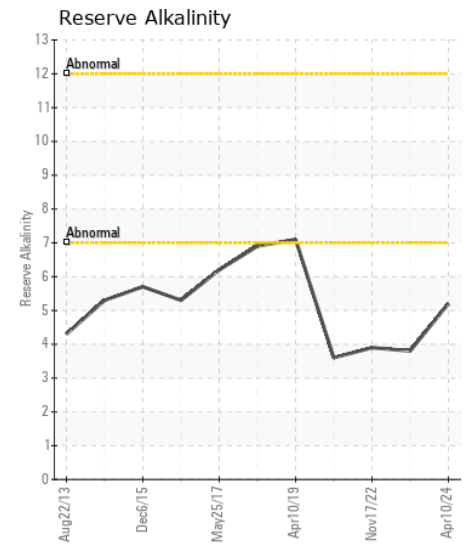
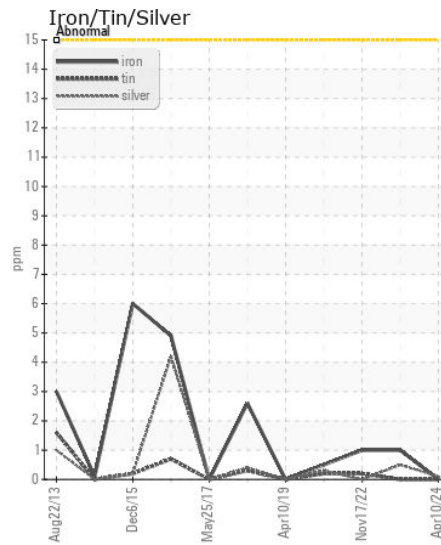
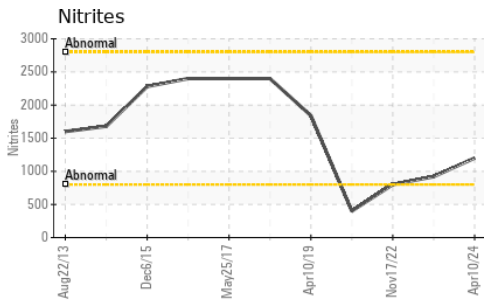
There is no indication of any contamination in the coolant.

| | | | | | | |
|--------------------|--------|---------------|-------|--------------|-------|-------|
| Calcium | ppm | ASTM D5185(m) | >100 | 2 | 4 | 2 |
| Magnesium | ppm | ASTM D5185(m) | >40 | 2 | 1 | 1 |
| Appearance | scalar | Visual* | NORML | NORML | NORML | NORML |
| Odor | scalar | Visual* | NORML | NORML | NORML | NORML |
| Coolant Appearance | | Visual* | Clear | Clear | Clear | Clear |

COOLANT CONDITION

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

| | | | | | | |
|--------------------|------------|-----------------|-------|-------------------|-------|------------|
| Boiling Point | °C | WC Method* | | 107 | --- | --- |
| Specific Gravity | | ASTM D1298* | | 1.067 | 1.067 | 1.066 |
| pH | Scale 0-14 | ASTM D1287* | 9.5 | 9.00 | 9.00 | 9.07 |
| Nitrites | ppm | Alcan Test Kit* | 1500 | 1200 | 920 | 800 |
| Reserve Alkalinity | Scale 0-20 | ASTM D1121* | 8.5 | 5.2 | 3.8 | 3.9 |
| Percentage Glycol | % | ASTM D3321* | 50 | 49.4 | 49.3 | 48.8 |
| Freezing Point | °C | ASTM D3321* | -40 | -36 | -33 | -31 |
| Carboxylate | | | | --- | --- | --- |
| Silicon | ppm | ASTM D5185(m) | | 63 | 87 | 90 |
| Phosphorus | ppm | ASTM D5185(m) | | 365 | 347 | 232 |
| Boron | ppm | ASTM D5185(m) | | 15 | 17 | 15 |
| Molybdenum | ppm | ASTM D5185(m) | | 198 | 181 | 127 |
| Sodium | ppm | ASTM D5185(m) | | 2647 | 1838 | 1707 |
| Potassium | ppm | ASTM D5185(m) | | 3020 | 2064 | 2021 |
| Coolant Color | | Visual* | Green | Grn/Yellow | Green | Grn/Yellow |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0577020
Lab Number : 02628304
Unique Number : 5761436
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.