



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

COOLANT REPORT

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

Area
VICTORIA VILLAGE PROJECTS [235933]

Machine Id
OC4693

Component
Coolant

Fluid
CONVENTIONAL COOLANT (--- GAL)

RECOMMENDATION

The coolant change at the time of sampling has been noted. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WA0020673 | WA0017173 | WA0015322 |
| Sample Date | | Client Info | | 08 Feb 2024 | 02 Dec 2021 | 22 May 2020 |
| Machine Age | yrs | Client Info | | 8 | 26 | 1 |
| Oil Age | yrs | Client Info | | 0 | 0 | 1 |
| Oil Changed | | Client Info | | Changed | Changed | N/A |
| Sample Status | | | | ABNORMAL | NORMAL | NORMAL |

CORROSION

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

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

CONTAMINANTS

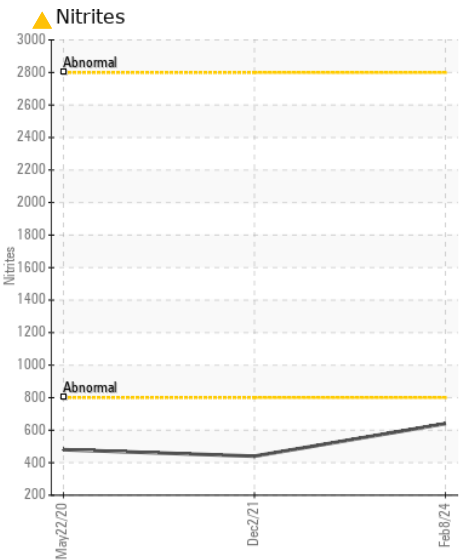
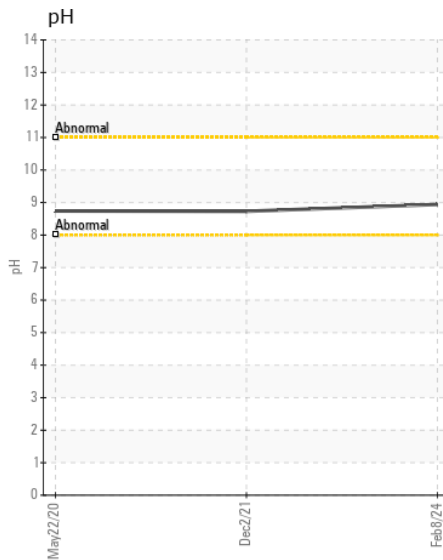
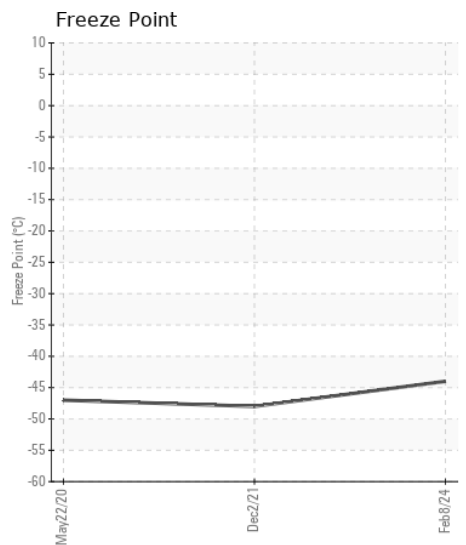
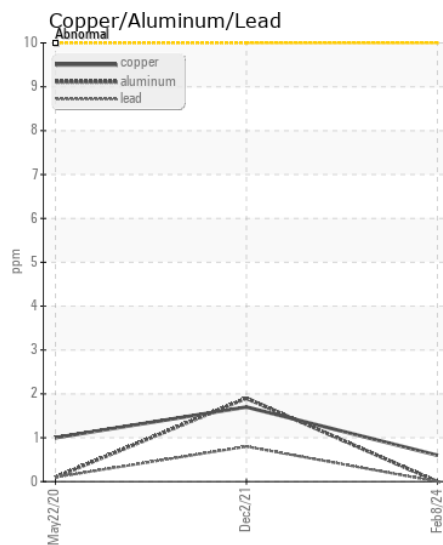
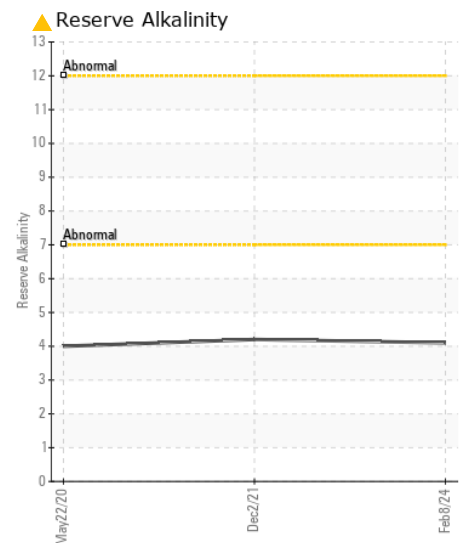
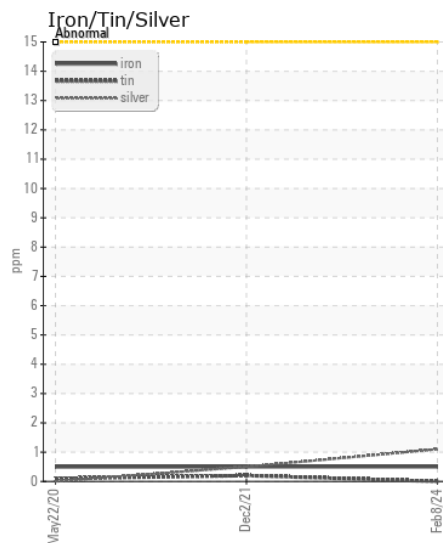
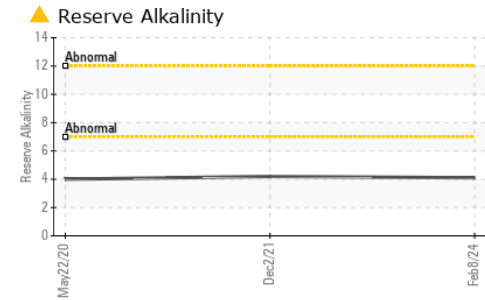
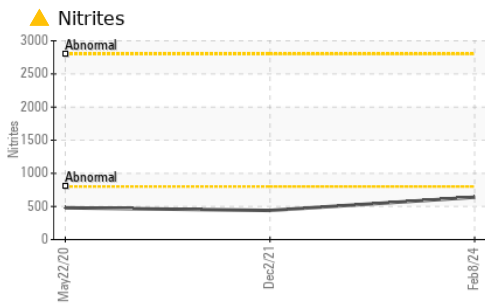
There is no indication of any contamination in the coolant.

| | | | | | | |
|--------------------|--------|---------------|-------|-----------------|--------|-------|
| Calcium | ppm | ASTM D5185(m) | >100 | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185(m) | >40 | 0 | 1 | 1 |
| Appearance | scalar | Visual* | NORML | NORML | NORML | NORML |
| Odor | scalar | Visual* | NORML | NORML | NORML | NORML |
| Coolant Appearance | | Visual* | Clear | ▲ Cloudy | Cloudy | Clear |

COOLANT CONDITION

The reserve alkalinity of this fluid is lower than acceptable. The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. The low nitrite level indicates reduced cavitation protection which leads to corrosion and ammonia formation. The pH level of this fluid is within the acceptable limits.

| | | | | | | |
|--------------------|------------|-----------------|-------|-------------------|------------|----------|
| Specific Gravity | | ASTM D1298* | | 1.074 | 1.076 | 1.076 |
| pH | Scale 0-14 | ASTM D1287* | 9.5 | 8.94 | 8.73 | 8.74 |
| Nitrites | ppm | Alcan Test Kit* | 1500 | ▲ 640 | 440 | 480 |
| Reserve Alkalinity | Scale 0-20 | ASTM D1121* | 8.5 | ▲ 4.1 | 4.2 | 4.0 |
| Percentage Glycol | % | ASTM D3321* | 50 | 55.0 | 57.0 | 57.0 |
| Freezing Point | °C | ASTM D3321* | -40 | -44 | -48 | -47 |
| Carboxylate | | | | --- | --- | --- |
| Silicon | ppm | ASTM D5185(m) | | 27 | 22 | 6 |
| Phosphorus | ppm | ASTM D5185(m) | | 1029 | 642 | 875 |
| Boron | ppm | ASTM D5185(m) | | 51 | 38 | 4 |
| Molybdenum | ppm | ASTM D5185(m) | | 2 | 2 | 11 |
| Sodium | ppm | ASTM D5185(m) | | 3495 | 1412 | 1726 |
| Potassium | ppm | ASTM D5185(m) | | 3328 | 1420 | 1797 |
| Coolant Color | | Visual* | Green | Grn/Yellow | Grn/Yellow | Grn/Pink |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020673 **Received** : 21 Feb 2024
Lab Number : 02617267 **Tested** : 22 Feb 2024
Unique Number : 5734377 **Diagnosed** : 23 Feb 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType)

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.

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