



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

COOLANT REPORT

CORROSION

ABNORMAL

CONTAMINANTS

NORMAL

COOLANT CONDITION

NORMAL

Area

BELMONT HOUSE [275705]

Machine Id

7A00043

Component

Coolant

Fluid

CONVENTIONAL COOLANT (--- GAL)

RECOMMENDATION

The coolant change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WA0020919 | WA0018703 | WA0017631 |
| Sample Date | | Client Info | | 24 Apr 2024 | 03 Apr 2023 | 01 Apr 2022 |
| Machine Age | hrs | Client Info | | 505 | 276 | 464 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Changed | Changed |
| Sample Status | | | | ABNORMAL | ABNORMAL | ABNORMAL |

CORROSION

Copper ppm levels are abnormal. The high metal levels indicate corrosion in the system.

| | | | | | | |
|----------|-----|---------------|-----|--------------|------|------|
| Iron | ppm | ASTM D5185(m) | >15 | 1 | 5 | <1 |
| Aluminum | ppm | ASTM D5185(m) | >10 | <1 | <1 | 1 |
| Copper | ppm | ASTM D5185(m) | >10 | ▲ 48 | ▲ 59 | ▲ 40 |
| Lead | ppm | ASTM D5185(m) | >10 | 3 | 10 | 6 |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | <1 | <1 |
| Silver | ppm | ASTM D5185(m) | >10 | <1 | <1 | <1 |
| Zinc | ppm | ASTM D5185(m) | >10 | 6 | 6 | 3 |

CONTAMINANTS

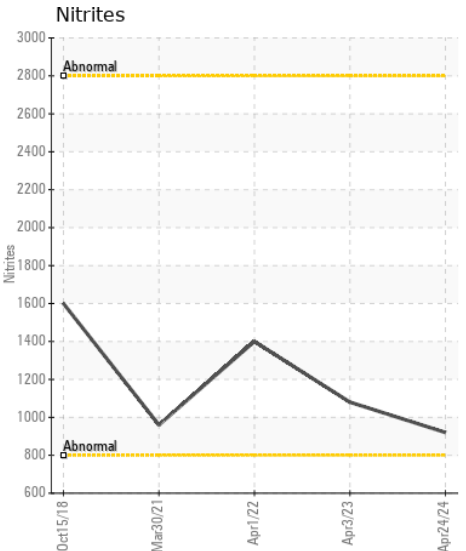
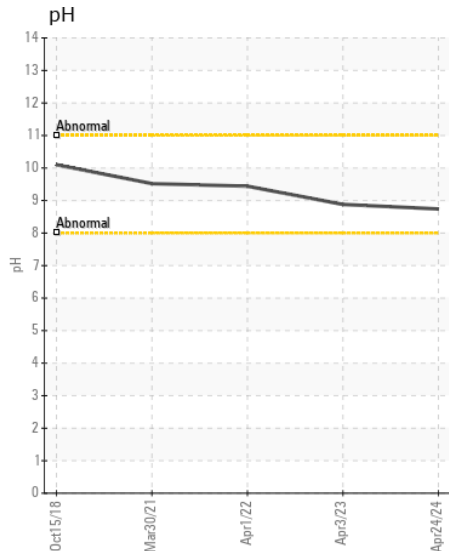
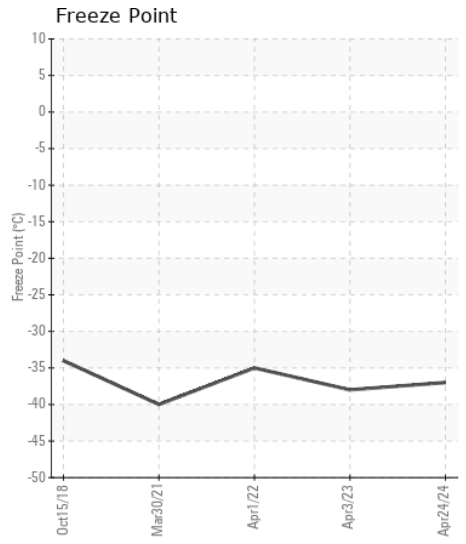
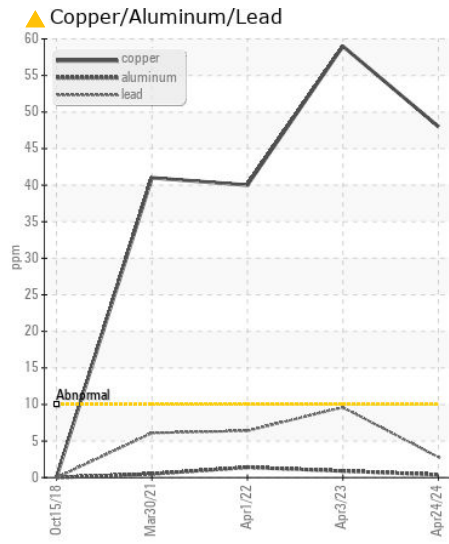
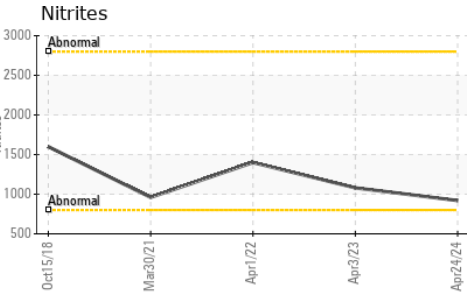
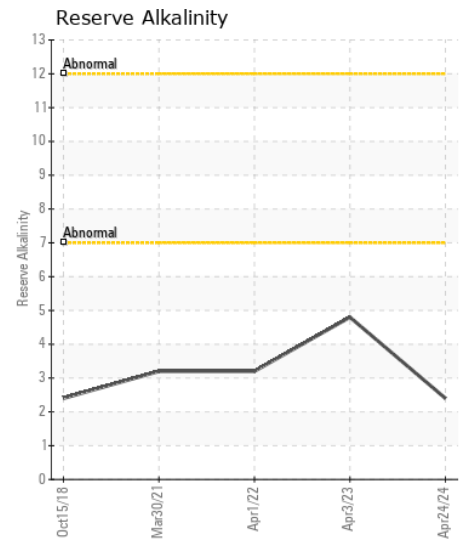
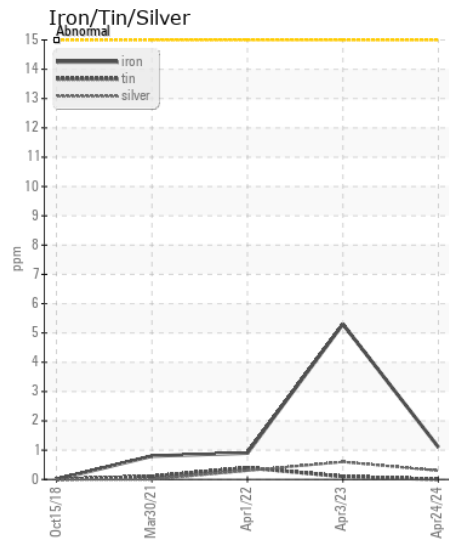
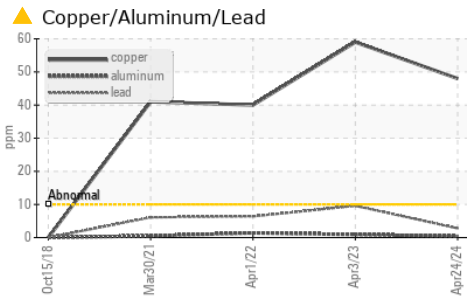
There is no indication of any contamination in the coolant.

| | | | | | | |
|--------------------|--------|---------------|-------|--------------|-------|-------|
| Calcium | ppm | ASTM D5185(m) | >100 | 6 | 2 | 1 |
| Magnesium | ppm | ASTM D5185(m) | >40 | 4 | 2 | 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* | | 1.068 | 1.069 | 1.068 |
| pH | Scale 0-14 | ASTM D1287* | 9.5 | 8.74 | 8.88 | 9.44 |
| Nitrites | ppm | Alcan Test Kit* | 1500 | 920 | 1080 | 1400 |
| Reserve Alkalinity | Scale 0-20 | ASTM D1121* | 8.5 | 2.4 | 4.8 | 3.2 |
| Percentage Glycol | % | ASTM D3321* | 50 | 50.7 | 51.7 | 50.8 |
| Freezing Point | °C | ASTM D3321* | -40 | -37 | -38 | -35 |
| Carboxylate | | | | --- | --- | --- |
| Silicon | ppm | ASTM D5185(m) | | 9 | 12 | 8 |
| Phosphorus | ppm | ASTM D5185(m) | | 19 | 13 | 10 |
| Boron | ppm | ASTM D5185(m) | | 83 | 118 | 101 |
| Molybdenum | ppm | ASTM D5185(m) | | 2 | 4 | 3 |
| Sodium | ppm | ASTM D5185(m) | | 1157 | 1266 | 990 |
| Potassium | ppm | ASTM D5185(m) | | 192 | 248 | 221 |
| Coolant Color | | Visual* | Green | Green | Grn/Yellow | Grn/Yellow |



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020919 **Received** : 06 May 2024
Lab Number : 02633678 **Tested** : 06 May 2024
Unique Number : 5774831 **Diagnosed** : 07 May 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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