



Machine Id
1596
 Component
Coolant
 Fluid
EXTENDED LIFE COOLANT (--- GAL)

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 | | PC0082959 | PC0071017 | PC0064946 |
| Sample Date | | Client Info | | 11 Jun 2024 | 08 Aug 2023 | 16 Oct 2022 |
| Machine Age | kms | Client Info | | 178830 | 3206 | 2063 |
| Oil Age | kms | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | ABNORMAL |

CORROSION

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

| | | | | | | |
|----------|-----|---------------|-----|--------------|---|------|
| Iron | ppm | ASTM D5185(m) | >15 | 0 | 2 | <1 |
| Aluminum | ppm | ASTM D5185(m) | >10 | 2 | 0 | ▲ 12 |
| Copper | ppm | ASTM D5185(m) | >10 | 2 | 4 | 4 |
| Lead | ppm | ASTM D5185(m) | >10 | 0 | 6 | 0 |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | 2 | 0 |
| Silver | ppm | ASTM D5185(m) | >10 | <1 | 0 | 0 |
| Zinc | ppm | ASTM D5185(m) | >10 | 2 | 0 | 2 |

CONTAMINANTS

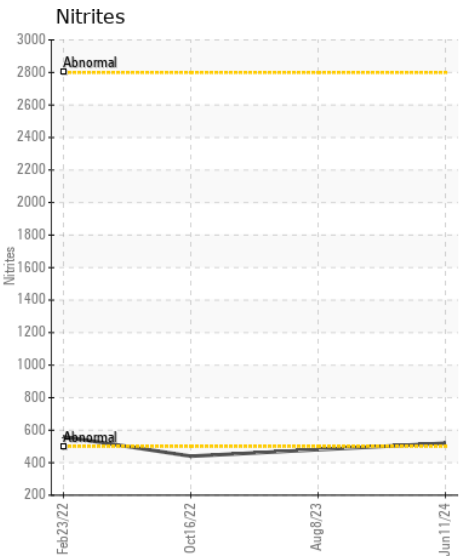
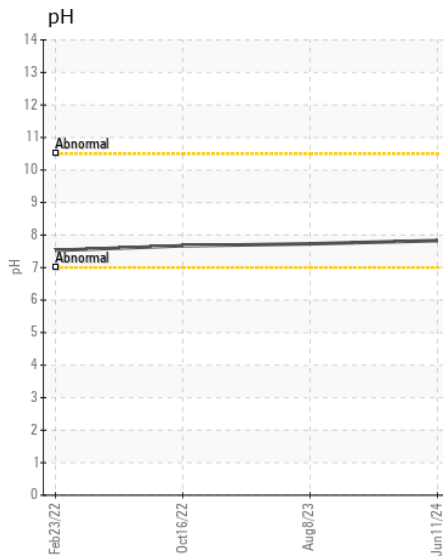
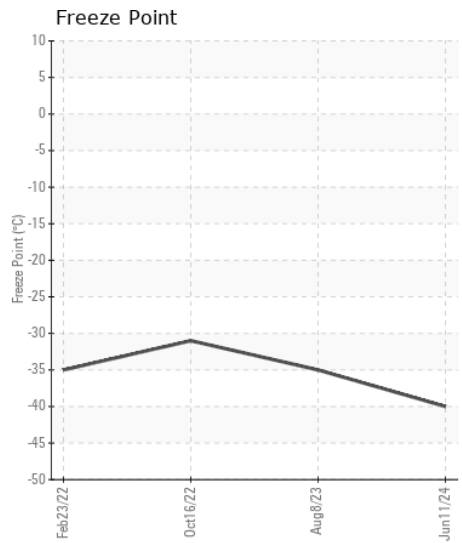
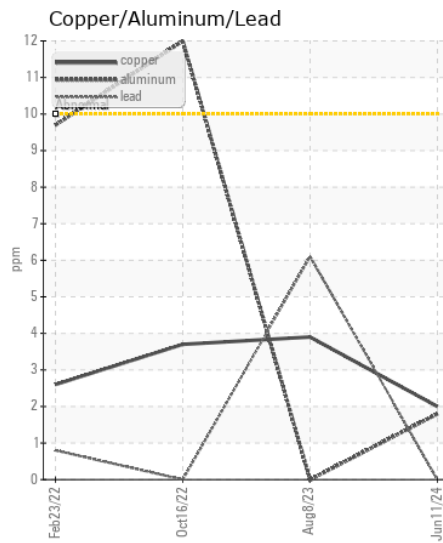
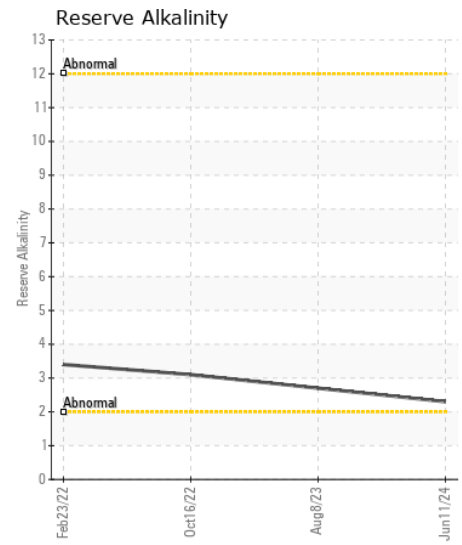
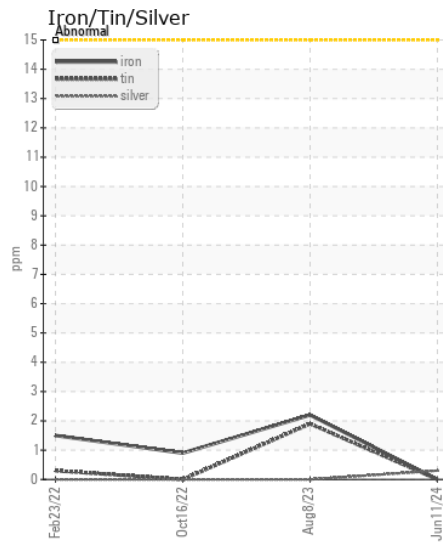
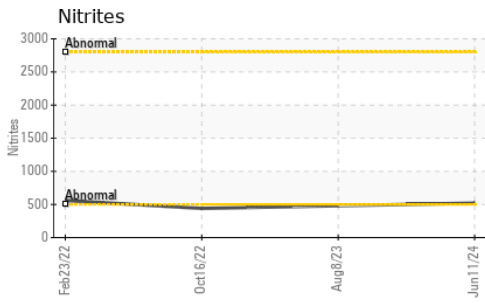
There is no indication of any contamination in the coolant.

| | | | | | | |
|--------------------|--------|---------------|-------|--------------|-------|-------|
| Calcium | ppm | ASTM D5185(m) | >100 | 4 | 9 | 6 |
| Magnesium | ppm | ASTM D5185(m) | >40 | 2 | 2 | 3 |
| 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. The reserve alkalinity of this fluid is acceptable.

| | | | | | | |
|--------------------|------------|-----------------|----------|---------------|--------|--------|
| Boiling Point | °C | WC Method* | | 108 | --- | --- |
| Specific Gravity | | ASTM D1298* | | 1.070 | 1.068 | 1.065 |
| pH | Scale 0-14 | ASTM D1287* | 9.0 | 7.83 | 7.73 | 7.67 |
| Nitrites | ppm | Alcan Test Kit* | | 520 | 480 | 440 |
| Reserve Alkalinity | Scale 0-20 | ASTM D1121* | | 2.3 | 2.7 | 3.1 |
| Percentage Glycol | % | ASTM D3321* | 50 | 52.6 | 50.7 | 48.6 |
| Freezing Point | °C | ASTM D3321* | -40 | -40 | -35 | -31 |
| Carboxylate | | | | --- | --- | --- |
| Silicon | ppm | ASTM D5185(m) | | 67 | 54 | 61 |
| Phosphorus | ppm | ASTM D5185(m) | | 13 | 2 | <1 |
| Boron | ppm | ASTM D5185(m) | | 14 | 11 | 16 |
| Molybdenum | ppm | ASTM D5185(m) | | 536 | 608 | 603 |
| Sodium | ppm | ASTM D5185(m) | | 6301 | 3770 | 3632 |
| Potassium | ppm | ASTM D5185(m) | | 366 | 412 | 479 |
| Coolant Color | | Visual* | Orange/R | Orange | Orange | Orange |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0082959
Lab Number : 02641541
Unique Number : 5799080
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.

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