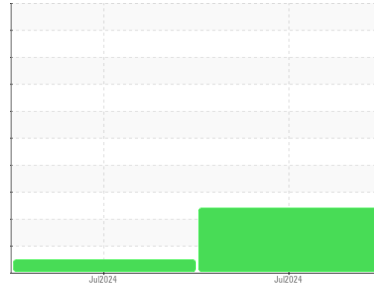




COOLANT REPORT

Sample Rating Trend



APPEARANCE



Area
[1046]
 Machine Id
12880871
 Component
Coolant
 Fluid
{not provided} (--- GAL)

DIAGNOSIS

▲ Recommendation

We advise that you check all areas where contaminants can enter the system. We recommend that you drain the coolant from the component if this has not already been done. We recommend an early resample to monitor this condition.

Corrosion

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

▲ Contaminants

The sample contained a visible layer of foreign fluid contaminant, the origin and/or type of fluid is unknown.

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. The coolant is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|-------------|----------|
| Sample Number | Client Info | | WC0957971 | WC0957972 | --- |
| Sample Date | Client Info | | 09 Jul 2024 | 09 Jul 2024 | --- |
| Machine Age | hrs | Client Info | 639 | 639 | --- |
| Oil Age | hrs | Client Info | 0 | 0 | --- |
| Oil Changed | Client Info | | N/A | N/A | --- |
| Sample Status | | | SEVERE | NORMAL | --- |

PHYSICAL TEST RESULTS

| | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-----------------|--------------|----------|----------|
| Glycol Type | FT-IR | | UNK | UNK | --- |
| Specific Gravity | ASTM D1298* | | 1.074 | 1.074 | --- |
| pH | Scale 0-14 | ASTM D1287* | 7.97 | 8.08 | --- |
| Nitrites | ppm | Alcan Test Kit* | 800 | 1000 | --- |
| Reserve Alkalinity | Scale 0-20 | ASTM D1121* | 4.6 | 3.6 | --- |
| Percentage Glycol | % | ASTM D3321* | 55.5 | 55.0 | --- |
| Freezing Point | °C | ASTM D3321* | -44 | -44 | --- |
| Carboxylate | | | --- | --- | --- |

CORROSION INHIBITORS

| | method | limit/base | current | history1 | history2 |
|------------|--------|---------------|------------|----------|----------|
| Silicon | ppm | ASTM D5185(m) | 21 | 19 | --- |
| Phosphorus | ppm | ASTM D5185(m) | 23 | 8 | --- |
| Boron | ppm | ASTM D5185(m) | 115 | 122 | --- |
| Molybdenum | ppm | ASTM D5185(m) | 406 | 400 | --- |

CORROSION

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

CARRIER SALTS

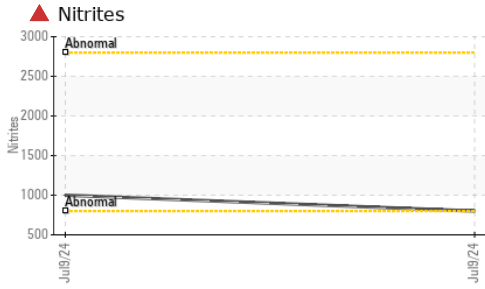
| | method | limit/base | current | history1 | history2 |
|-----------|--------|---------------|---------|-------------|----------|
| Sodium | ppm | ASTM D5185(m) | | 5580 | 5480 |
| Potassium | ppm | ASTM D5185(m) | | 170 | 115 |

SCALE POTENTIAL

| | method | limit/base | current | history1 | history2 |
|-----------|------------|---------------|---------|-----------|----------|
| Calcium | ppm | ASTM D5185(m) | >100 | 6 | 8 |
| Magnesium | ppm | ASTM D5185(m) | >40 | 5 | 5 |
| Hardness | mg/L CaCO3 | In-house* | <75 | 33 | 41 |

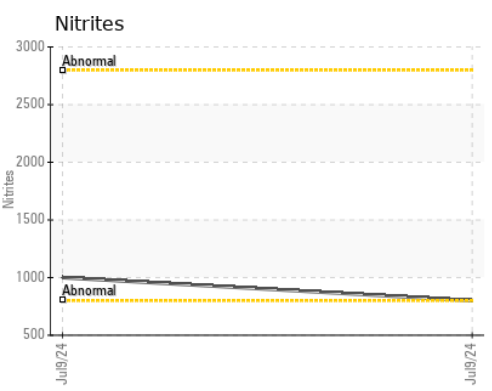
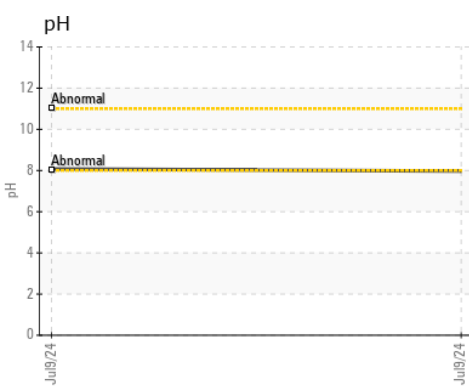
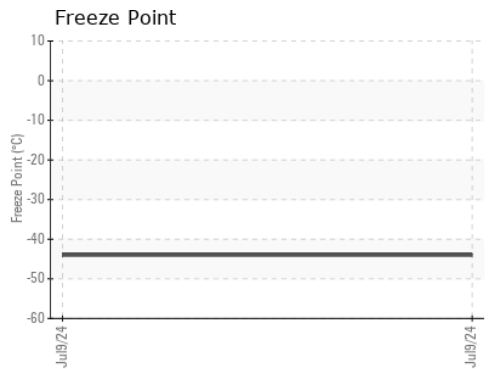
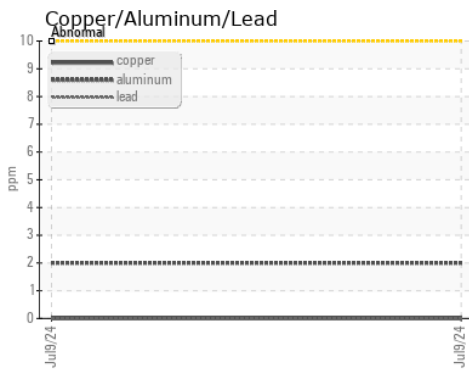
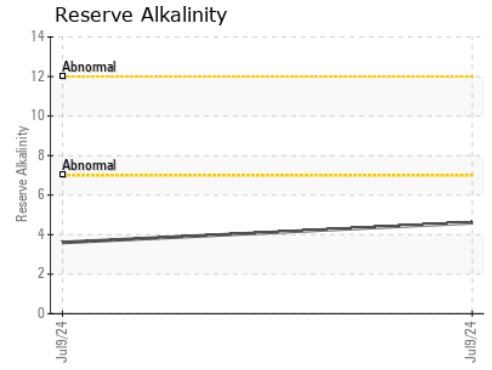
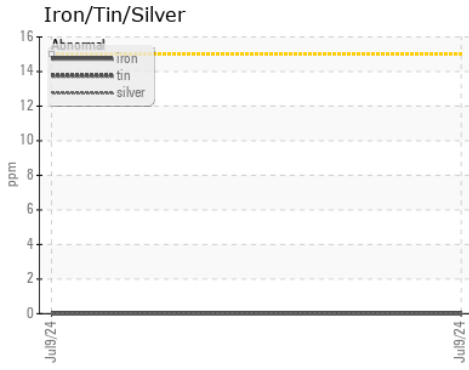


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0957971 **Received** : 10 Jul 2024
Lab Number : 02647249 **Tested** : 15 Jul 2024
Unique Number : 5812801 **Diagnosed** : 15 Jul 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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