



COOLANT REPORT

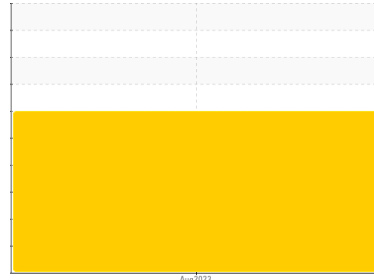
Sample Rating Trend

OFF SPEC



Area
[18390]
Machine Id
18390

Component
Coolant
Fluid
HYBRID (HOAT) COOLANT (--- GAL)



DIAGNOSIS

Recommendation

We recommend drain system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's specifications. Recommend that you ensure the same technology coolant is being used for make-up. Resample at the next service interval to monitor.

Corrosion

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

Contaminants

There is no indication of any contamination in the coolant.

Coolant Condition

The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. The nitrite level is acceptable. The glycol level is low which leads to an increased rate of liner pitting and may be inadequate for freeze protection. The specific gravity is lower than typical indicating the addition of a different type of coolant. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|----------|----------|
| Sample Number | Client Info | WC0763271 | --- | --- |
| Sample Date | Client Info | 23 Aug 2023 | --- | --- |
| Machine Age | hrs | Client Info | 0 | --- |
| Oil Age | hrs | Client Info | 0 | --- |
| Oil Changed | Client Info | N/A | --- | --- |
| Sample Status | | SEVERE | --- | --- |

PHYSICAL TEST RESULTS

| method | limit/base | current | history1 | history2 |
|--------------------|-------------|-----------------|----------|----------|
| Specific Gravity | ASTM D1298* | ▲ 1.014 | --- | --- |
| pH | Scale 0-14 | ASTM D1287* | 7.71 | --- |
| Nitrites | ppm | Alcan Test Kit* | 600 | --- |
| Reserve Alkalinity | Scale 0-20 | ASTM D1121* | 3.0 | --- |
| Percentage Glycol | % | ASTM D3321* | 12.1 | --- |
| Freezing Point | °C | ASTM D3321* | 24 | --- |
| Carboxylate | | | --- | --- |

CORROSION INHIBITORS

| method | limit/base | current | history1 | history2 |
|------------|------------|---------------|----------|----------|
| Silicon | ppm | ASTM D5185(m) | 6 | --- |
| Phosphorus | ppm | ASTM D5185(m) | 4 | --- |
| Boron | ppm | ASTM D5185(m) | 58 | --- |
| Molybdenum | ppm | ASTM D5185(m) | 34 | --- |

CORROSION

| method | limit/base | current | history1 | history2 |
|----------|------------|---------------|----------|----------|
| Iron | ppm | ASTM D5185(m) | >15 | 2 |
| Aluminum | ppm | ASTM D5185(m) | >10 | 3 |
| Copper | ppm | ASTM D5185(m) | >10 | 0 |
| Lead | ppm | ASTM D5185(m) | >10 | 0 |
| Tin | ppm | ASTM D5185(m) | >10 | 0 |
| Silver | ppm | ASTM D5185(m) | >10 | <1 |
| Zinc | ppm | ASTM D5185(m) | | 0 |

CARRIER SALTS

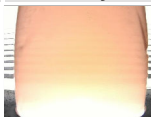

| method | limit/base | current | history1 | history2 |
|-----------|------------|---------------|----------|----------|
| Sodium | ppm | ASTM D5185(m) | | 1124 |
| Potassium | ppm | ASTM D5185(m) | | 57 |

SCALE POTENTIAL

| method | limit/base | current | history1 | history2 |
|-----------|------------|---------------|----------|----------|
| Calcium | ppm | ASTM D5185(m) | >100 | 5 |
| Magnesium | ppm | ASTM D5185(m) | >40 | 4 |
| Hardness | mg/L CaCO3 | In-house* | <75 | 28 |

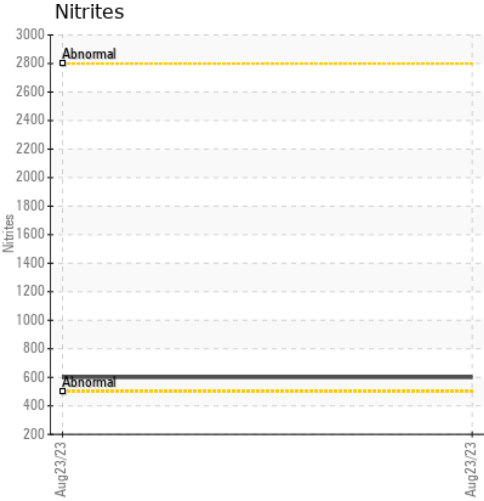
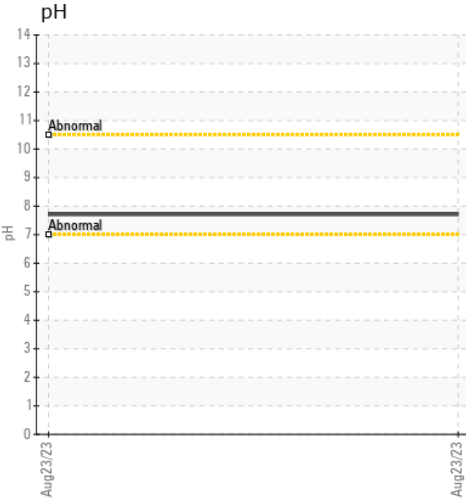
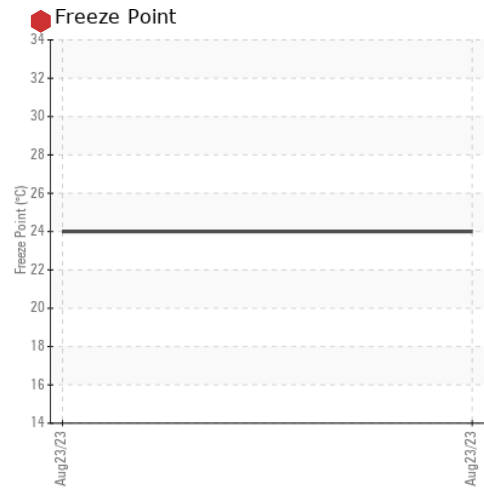
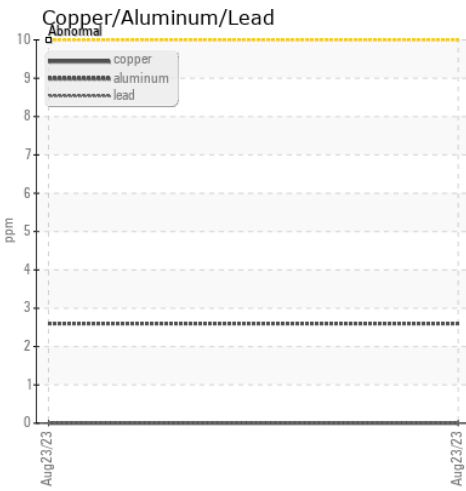
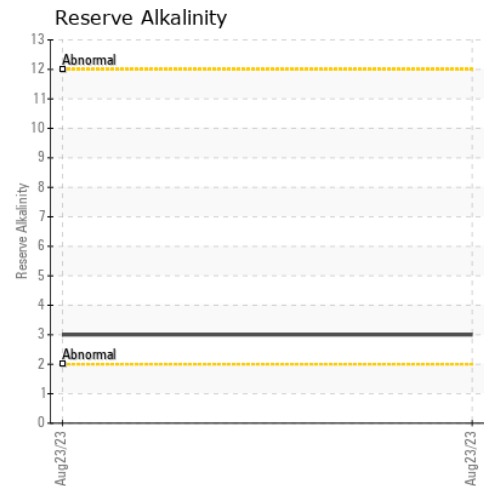
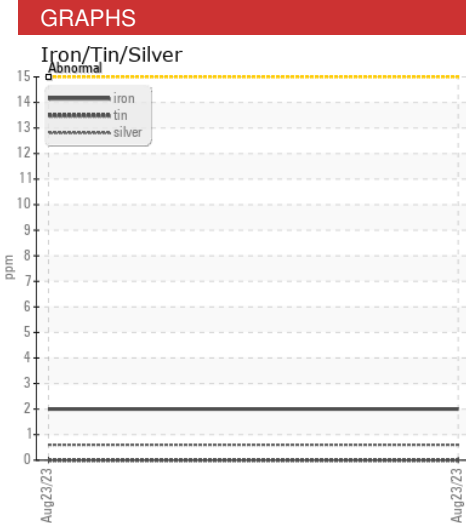
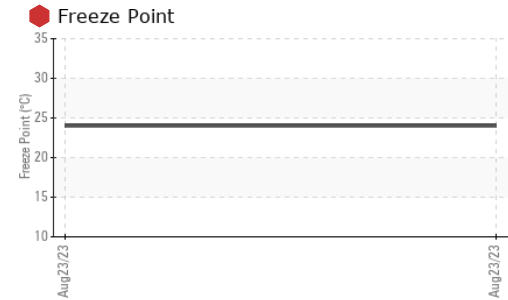
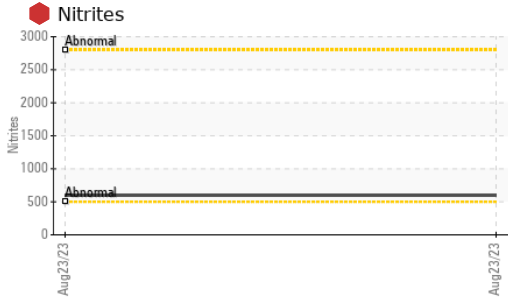
VISUAL

| method | limit/base | current | history1 | history2 |
|--------------------|------------|---------|----------|----------|
| Coolant Color | Visual* | Orange | --- | --- |
| Coolant Appearance | Visual* | Clear | ▲ Cloudy | --- |

| | | | | |
|--------|--|---|----------|----------|
| Color | |  | no image | no image |
| Bottom | |  | no image | no image |



COOLANT REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GF PRESTON SALES AND SERVICE**
Sample No. : WC0763271 **Received** : 25 Aug 2023 **PO BOX 540,, 289 ALBERT STREET**
Lab Number : 02578559 **Diagnosed** : 29 Aug 2023 **SUNDRIDGE, ON**
Unique Number : 5631619 **Diagnostician** : Kevin Marson **CA P0A 1Z0**
Test Package : COOL **Contact: Steve Branch**

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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