



Area
EXCAVATION J.L.

Machine Id
WL0054

Component
Coolant

Fluid
CONVENTIONAL COOLANT (--- GAL)

RECOMMENDATION

Nous recommandons que vous vidangiez le système et que vous le remplissiez avec un mélange 50/50 eau/antigel. Nous vous conseillons de reconstituer les additifs refroidisseurs supplémentaires, (SCA - supplemental coolant additives) et d'en ajouter selon les indications du fabricant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | GFL0118345 | GFL0067472 | GFL0071860 |
| Sample Date | | Client Info | | 08 Apr 2024 | 17 Oct 2023 | 22 Jun 2023 |
| Machine Age | hrs | Client Info | | 22063 | 21068 | 20500 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | ABNORMAL | ABNORMAL | ABNORMAL |

CORROSION

Les concentrations de tous les métaux sont normales indiquant qu'il n'y a pas de corrosion dans le système de refroidissement.

| | | | | | | |
|----------|-----|---------------|-----|--------------|----|----|
| Iron | ppm | ASTM D5185(m) | >15 | 3 | 3 | 4 |
| Aluminum | ppm | ASTM D5185(m) | >10 | 3 | 1 | 2 |
| Copper | ppm | ASTM D5185(m) | >10 | 2 | 4 | 5 |
| Lead | ppm | ASTM D5185(m) | >10 | 0 | 0 | <1 |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | >10 | <1 | <1 | 0 |
| Zinc | ppm | ASTM D5185(m) | >10 | 5 | 10 | 7 |

CONTAMINANTS

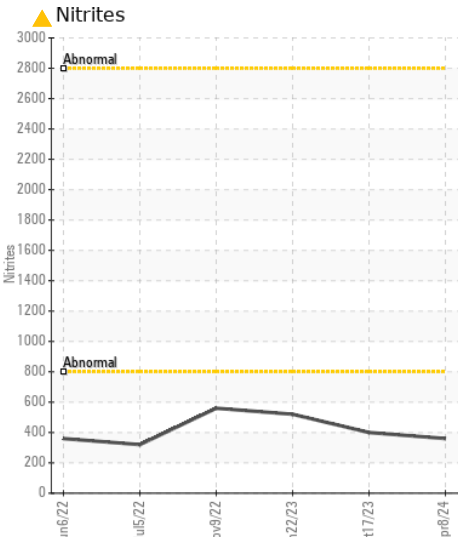
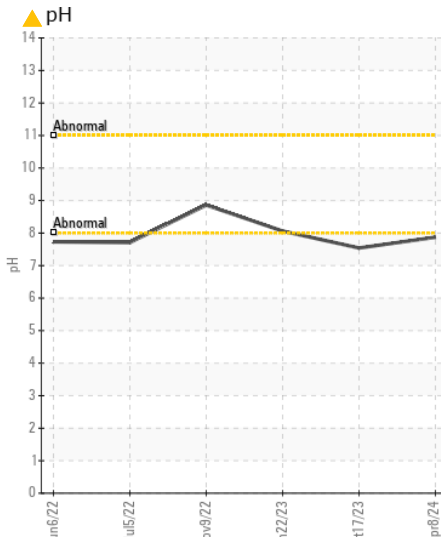
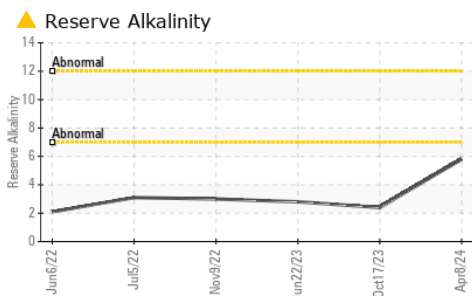
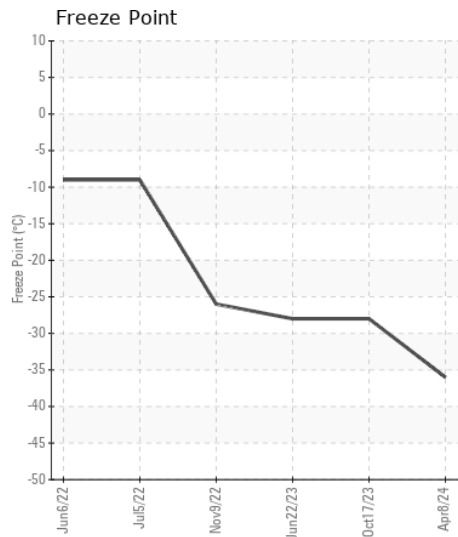
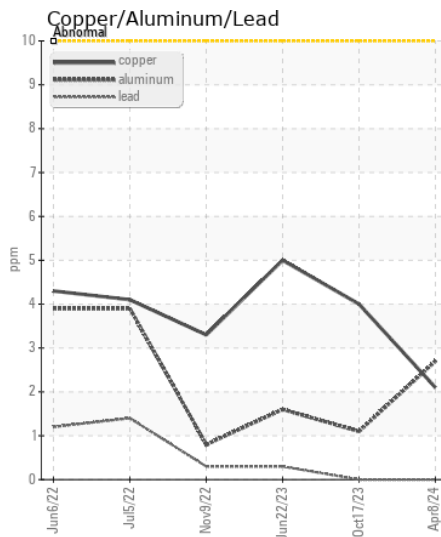
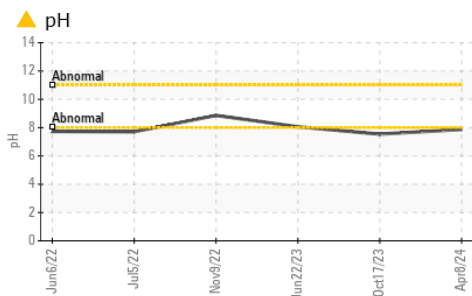
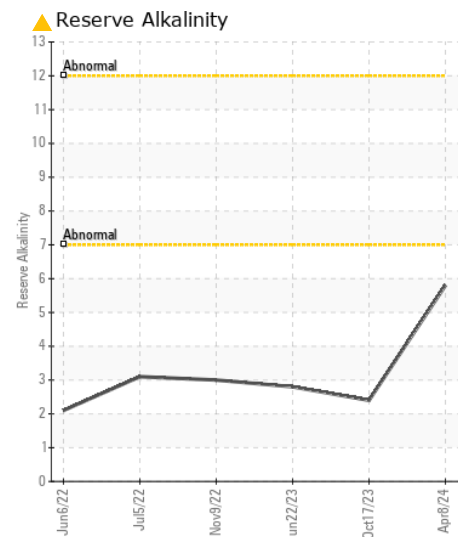
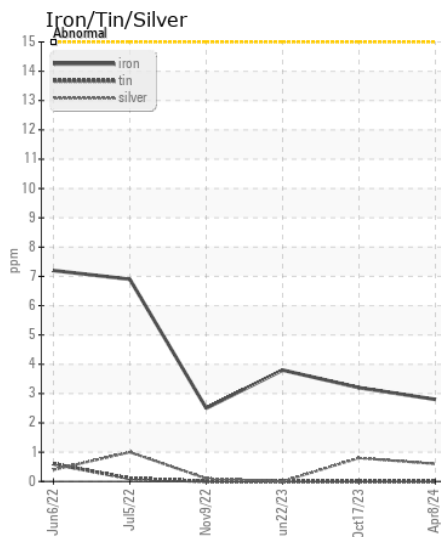
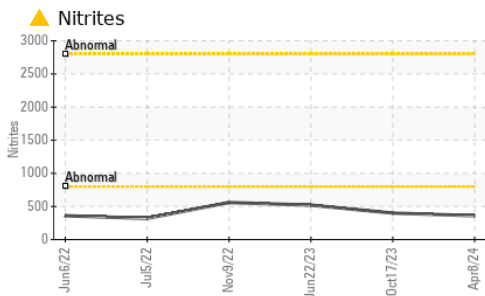
Il n'y a aucun indice de contamination dans l'agent de refroidissement.

| | | | | | | |
|--------------------|--------|---------------|-------|-----------------|----------|------------|
| Calcium | ppm | ASTM D5185(m) | >100 | 9 | 8 | 8 |
| Magnesium | ppm | ASTM D5185(m) | >40 | 4 | 2 | 2 |
| Appearance | scalar | Visual* | NORML | NORML | NORML | NORML |
| Odor | scalar | Visual* | NORML | NORML | NORML | NORML |
| Coolant Appearance | | Visual* | Clear | ▲ Cloudy | ▲ Opaque | ▲ Very cld |

COOLANT CONDITION

La réserve d'alcalinité de ce fluide est anormalement basse. The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. Le bas niveau de nitrites indique une réduction de la protection contre la cavitation qui peut entraîner de la corrosion et la formation d'ammoniaque. Le pH est bas et peut entraîner la formation de rouille.

| | | | | | | |
|--------------------|------------|-----------------|-------|---------------|--------|-------|
| Boiling Point | °C | WC Method* | | 107 | --- | --- |
| Specific Gravity | | ASTM D1298* | | 1.067 | 1.064 | 1.064 |
| pH | Scale 0-14 | ASTM D1287* | 9.5 | ▲ 7.87 | ▲ 7.54 | 8.06 |
| Nitrites | ppm | Alcan Test Kit* | 1500 | ▲ 360 | ▲ 400 | ▲ 520 |
| Reserve Alkalinity | Scale 0-20 | ASTM D1121* | 8.5 | ▲ 5.8 | ▲ 2.4 | ▲ 2.8 |
| Percentage Glycol | % | ASTM D3321* | 50 | 49.2 | 47.5 | 47.3 |
| Freezing Point | °C | ASTM D3321* | -40 | -36 | -28 | -28 |
| Carboxylate | | | | --- | --- | --- |
| Silicon | ppm | ASTM D5185(m) | | 38 | 64 | 59 |
| Phosphorus | ppm | ASTM D5185(m) | | 182 | 209 | 181 |
| Boron | ppm | ASTM D5185(m) | | 140 | 272 | 257 |
| Molybdenum | ppm | ASTM D5185(m) | | 284 | 4 | 7 |
| Sodium | ppm | ASTM D5185(m) | | 4641 | 1196 | 919 |
| Potassium | ppm | ASTM D5185(m) | | 845 | 1350 | 831 |
| Coolant Color | | Visual* | Green | Green | Green | Green |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0118345
Lab Number : 02628301
Unique Number : 5761433
Test Package : COOL (Additional Tests: GlycolType)
Received : 11 Apr 2024
Tested : 12 Apr 2024
Diagnosed : 15 Apr 2024 - Kevin Marson

GFL Environmental - 743 - Montreal Est CD Processing
 10930 rue Sherbrooke
 Montreal, QC
 CA H1B 1B4
 Contact: Patrick Beaulieu
 patrick.beaulieu@gflenv.com

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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