



Area

LEMIEUX GIRARD

Machine Id

MAMMOTH A280050

Component

Coolant

Fluid

EXTENDED LIFE COOLANT (--- LTR)

RECOMMENDATION

Nous recommandons la vidange du système et le remplissage avec un mélange 50/50 d'antigel longue durée et d'eau. Nous recommandons de vous assurer que le même type de liquide de refroidissement est utilisé pour les appoints. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | ST45667 | ST45565 | --- |
| Sample Date | | Client Info | | 15 Jun 2024 | 14 Jun 2024 | --- |
| Machine Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Age | hrs | Client Info | | 12 | 800 | --- |
| Oil Changed | | Client Info | | N/A | N/A | --- |
| Sample Status | | | | SEVERE | NORMAL | --- |

CORROSION

La concentration du fer est anormale/sévère indiquant la présence de rouille dans le système qui pourrait l'obstruer. La concentration des métaux est élevée indiquant la présence de corrosion dans le système.

| | | | | | | |
|----------|-----|---------------|-----|--------------|----|-----|
| Iron | ppm | ASTM D5185(m) | >15 | ▲ 106 | 0 | --- |
| Aluminum | ppm | ASTM D5185(m) | >10 | ▲ 114 | <1 | --- |
| 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 | <1 | <1 | --- |
| Zinc | ppm | ASTM D5185(m) | >10 | 18 | <1 | --- |

CONTAMINANTS

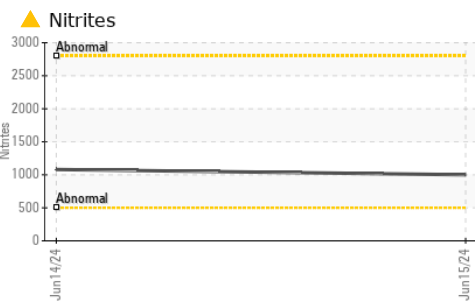
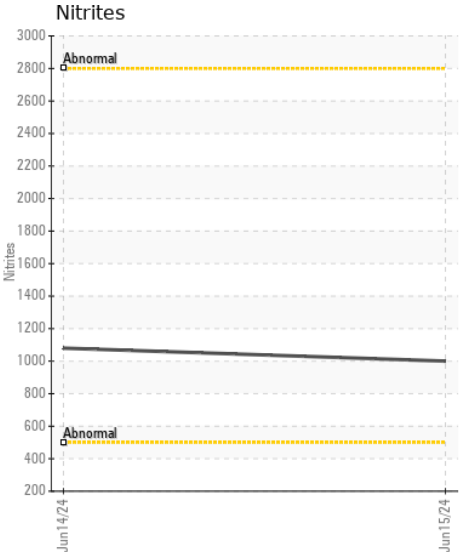
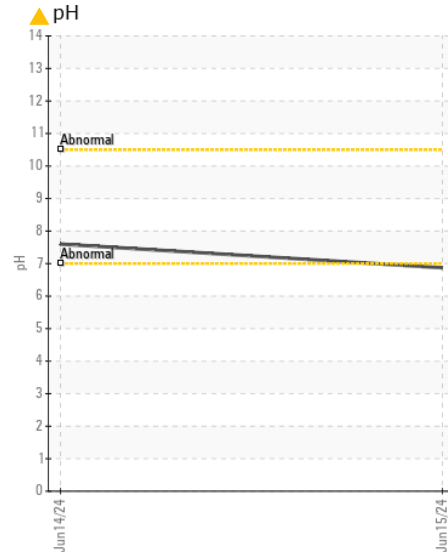
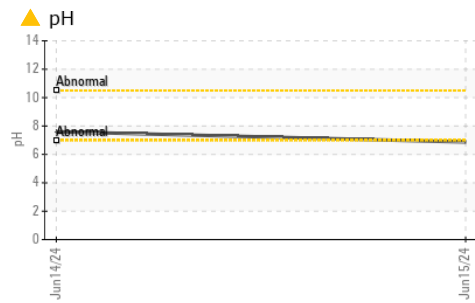
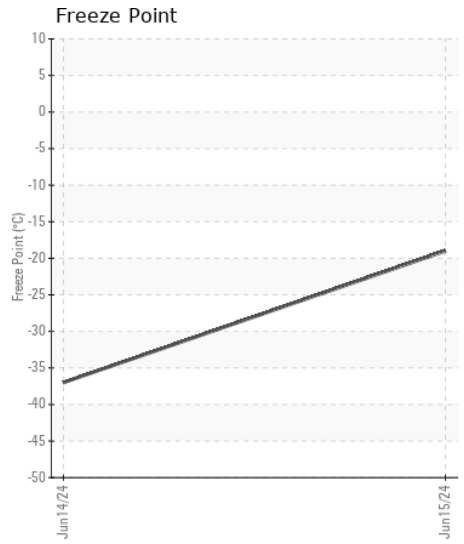
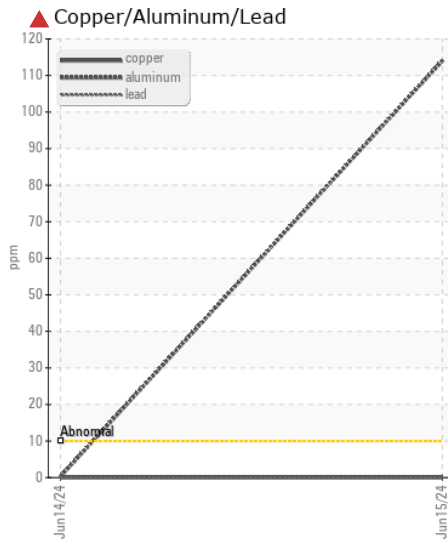
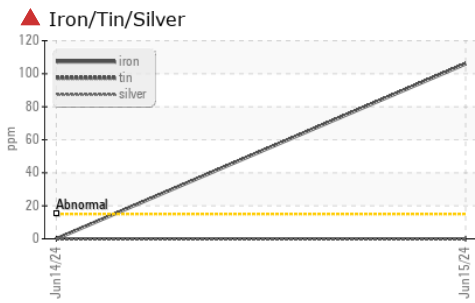
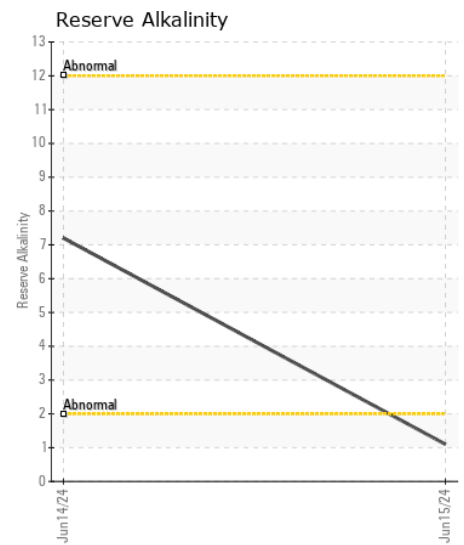
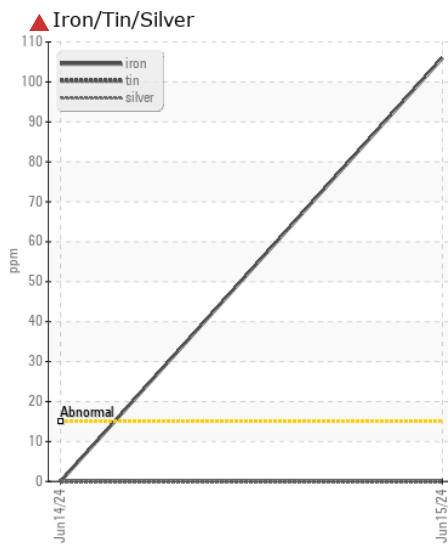
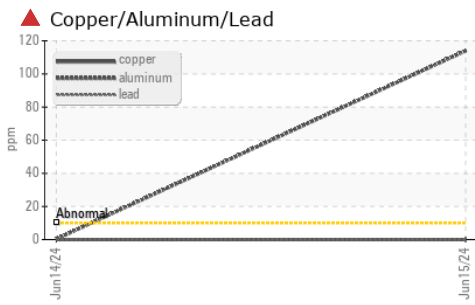
Il n'y a aucun indice de contamination dans l'agent de refroidissement.

| | | | | | | |
|--------------------|--------|---------------|-------|--------------|--------|-----|
| Calcium | ppm | ASTM D5185(m) | >100 | 5 | 6 | --- |
| Magnesium | ppm | ASTM D5185(m) | >40 | 3 | 12 | --- |
| Appearance | scalar | Visual* | NORML | NORML | HAZY | --- |
| Odor | scalar | Visual* | NORML | NORML | NORML | --- |
| Coolant Appearance | | Visual* | Clear | Clear | Cloudy | --- |

COOLANT CONDITION

Le niveau de nitrite est acceptable. Le pH est bas et peut entraîner la formation de rouille. La densité est inférieure à la valeur typique indiquant l'ajout d'un fluide de refroidissement différent.

| | | | | | | |
|--------------------|------------|-----------------|----------|----------------|-------|-----|
| Boiling Point | °C | WC Method* | | 105 | 107 | --- |
| Specific Gravity | | ASTM D1298* | | ▲ 1.048 | 1.068 | --- |
| pH | Scale 0-14 | ASTM D1287* | 9.0 | ▲ 6.87 | 7.60 | --- |
| Nitrites | ppm | Alcan Test Kit* | | 1000 | 1080 | --- |
| Reserve Alkalinity | Scale 0-20 | ASTM D1121* | | 1.1 | 7.2 | --- |
| Percentage Glycol | % | ASTM D3321* | 50 | 35.4 | 50.9 | --- |
| Freezing Point | °C | ASTM D3321* | -40 | -19 | -37 | --- |
| Carboxylate | | | | --- | --- | --- |
| Silicon | ppm | ASTM D5185(m) | | 61 | 12 | --- |
| Phosphorus | ppm | ASTM D5185(m) | | 38 | 37 | --- |
| Boron | ppm | ASTM D5185(m) | | 283 | 10 | --- |
| Molybdenum | ppm | ASTM D5185(m) | | 71 | 13 | --- |
| Sodium | ppm | ASTM D5185(m) | | 3703 | 6135 | --- |
| Potassium | ppm | ASTM D5185(m) | | 118 | 618 | --- |
| Coolant Color | | Visual* | Orange/R | Red | Pink | --- |



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : ST45667
Lab Number : 02642429
Unique Number : 5799968
Test Package : COOL (Additional Tests: GlycolType, PQ)

Received : 17 Jun 2024
Tested : 21 Jun 2024
Diagnosed : 21 Jun 2024 - Kevin Marson

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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