



RAPPORT DU LIQUIDE DE REFROIDISSEMENT

CORROSION
CONTAMINANTS

ÉTAT DU LIQUIDE REFROIDISSEMENT

NORMAL

ANORMAL

ANORMAL

Secteur

MICHAUDVILLE

Identité de la machine

F55064

Composant

Liquide de refroidissement

Fluide

CONVENTIONAL COOLANT (--- GAL)

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. Resample at the next service interval to monitor.

CORROSION

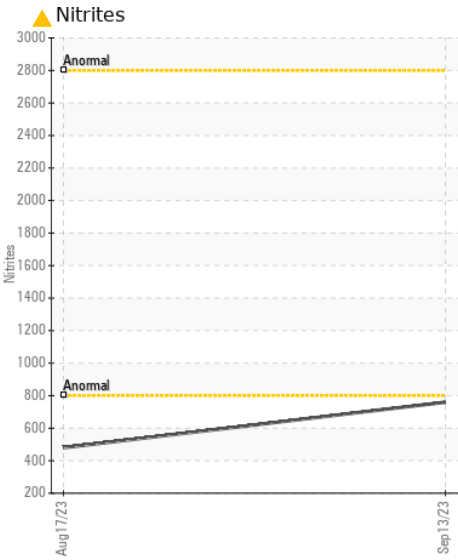
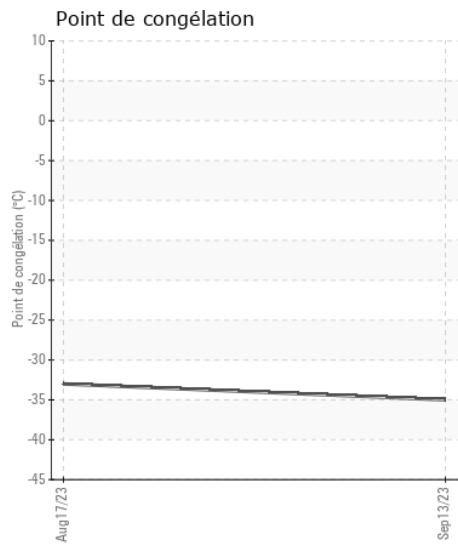
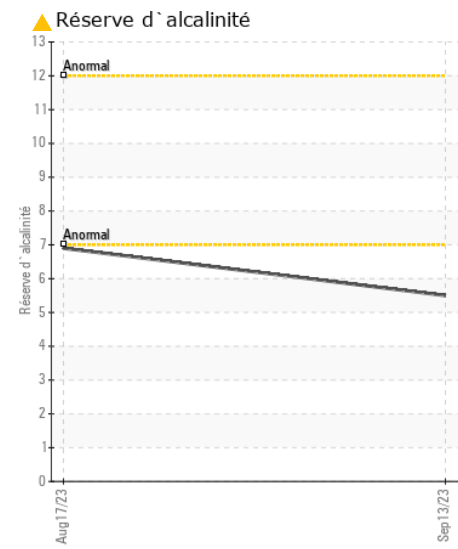
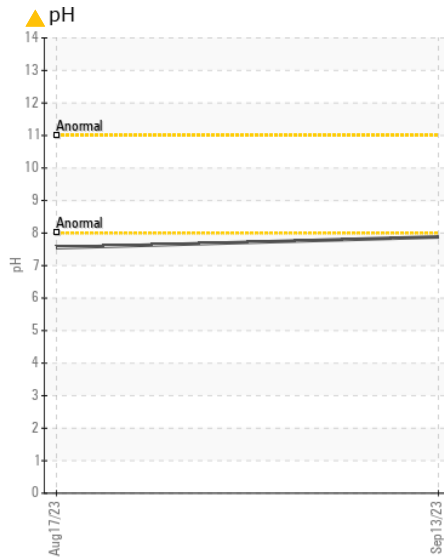
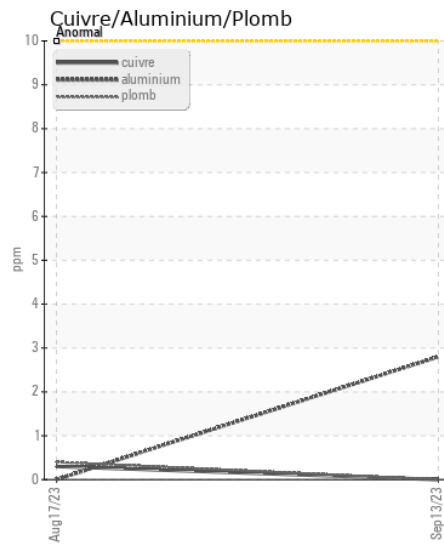
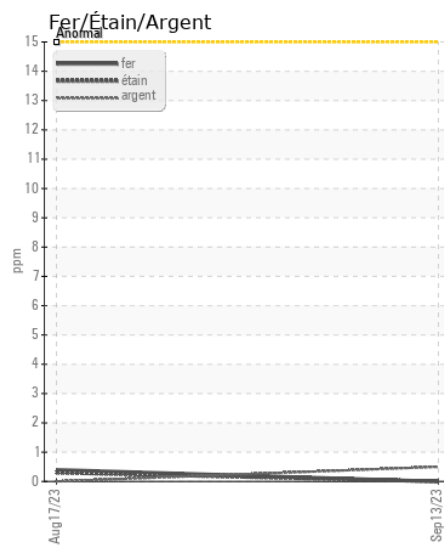
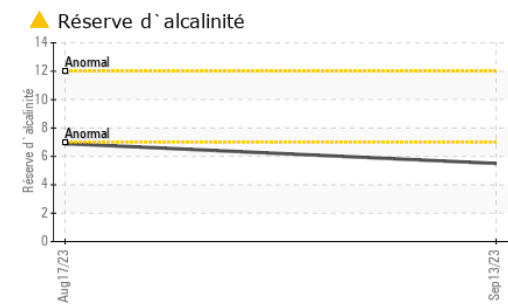
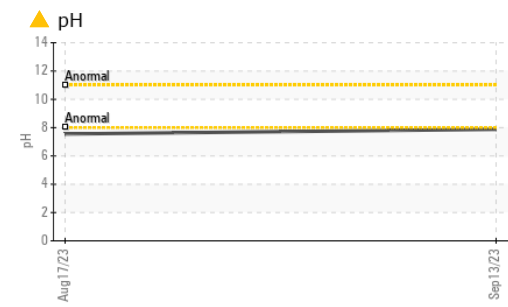
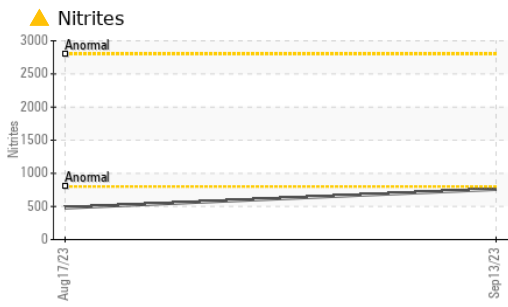
All metal levels are normal indicating no corrosion in the cooling system.

CONTAMINANTS

ÉTAT DU LIQUIDE REFROIDISSEMENT

The reserve alkalinity of this fluid is lower than acceptable. The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. The low nitrite level indicates reduced cavitation protection which leads to corrosion and ammonia formation. The pH is low which causes rust formation.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|------------|-----------------|-----------|--------------------|-------------|----------|
| Numéro d'échant. | | Client Info | | PC0078411 | PC0077694 | --- |
| Date d'échant. | | Client Info | | 13 Sep 2023 | 17 Aug 2023 | --- |
| Âge d la Machine | hrs | Client Info | | 1097 | 2792 | --- |
| Âge de l'huile | hrs | Client Info | | 0 | 0 | --- |
| Huile changée | | Client Info | | N/A | N/A | --- |
| Statut de l'échant. | | | | ABNORMAL | SEVERE | --- |
| Fer | ppm | ASTM D5185(m) | >15 | 0 | <1 | --- |
| Aluminium | ppm | ASTM D5185(m) | >10 | 3 | 0 | --- |
| Cuivre | ppm | ASTM D5185(m) | >10 | 0 | <1 | --- |
| Plomb | ppm | ASTM D5185(m) | >10 | 0 | <1 | --- |
| Étain | ppm | ASTM D5185(m) | >10 | 0 | <1 | --- |
| Argent | ppm | ASTM D5185(m) | >10 | <1 | 0 | --- |
| Zinc | ppm | ASTM D5185(m) | >10 | 0 | 0 | --- |
| Calcium | ppm | ASTM D5185(m) | >100 | 1 | 42 | --- |
| Magnésium | ppm | ASTM D5185(m) | >40 | <1 | 14 | --- |
| Apparence | scalar | Visual* | NORML | NORML | NORML | --- |
| Odeur | scalar | Visual* | NORML | NORML | NORML | --- |
| Apparence du liquide de refroidissement | | Visual* | Clear | ▲ Very cld | Clear | --- |
| Densité | | ASTM D1298* | | 1.068 | 1.067 | --- |
| pH | Scale 0-14 | ASTM D1287* | 9.5 | ▲ 7.88 | 7.55 | --- |
| Nitrites | ppm | Alcan Test Kit* | 1500 | ▲ 760 | 480 | --- |
| Réserve d'alcalinité | Scale 0-20 | ASTM D1121* | 8.5 | ▲ 5.5 | 6.9 | --- |
| Pourcentage de glycol | % | ASTM D3321* | 50 | 50.6 | 49.7 | --- |
| Point de congélation | °C | ASTM D3321* | -40 | -35 | -33 | --- |
| Carboxylate | | | | --- | --- | --- |
| Silicium | ppm | ASTM D5185(m) | | 26 | 35 | --- |
| Phosphore | ppm | ASTM D5185(m) | | 763 | 8 | --- |
| Bore | ppm | ASTM D5185(m) | | 59 | 2 | --- |
| Molybdène | ppm | ASTM D5185(m) | | 551 | 2 | --- |
| Sodium | ppm | ASTM D5185(m) | | 4252 | 3669 | --- |
| Potassium | ppm | ASTM D5185(m) | | 5829 | 662 | --- |
| Couleur du liquide de refroidissement | | Visual* | Green | Green | Pink | --- |



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUDVILLE INC.
N° d'échantillon : PC0078411 **Reçu** : 14 Sep 2023
N° de laboratoire : 02582626 **Diagnostiqué** : 15 Sep 2023
Numéro unique : 5643691 **Diagnostiqueur** : Kevin Marson
Analyse : COOL

Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.