



RAPPORT DU LIQUIDE DE REFROIDISSEMENT

CORROSION
CONTAMINANTS
ÉTAT DU LIQUIDE REFROIDISSEMENT

NORMAL
NORMAL
NORMAL

Secteur
MICHAUDVILLE
Identité de la machine

1203
Composant
Liquide de refroidissement

Fluid
EXTENDED LIFE COOLANT (--- GAL)

RECOMMENDATION

The fluid is suitable for further service. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---------------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Numéro d'échant. | | Client Info | | PC0082954 | PC0077434 | PC0056589 |
| Date d'échant. | | Client Info | | 04 Jun 2024 | 14 Aug 2023 | 14 Dec 2022 |
| Âge d la Machine | hrs | Client Info | | 12480 | 11642 | 253678 |
| Âge de l'huile | hrs | Client Info | | 0 | 0 | 0 |
| Huile changée | | Client Info | | N/A | N/A | N/A |
| Statut de l'échant. | | | | NORMAL | NORMAL | NORMAL |

CORROSION

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

| | | | | | | |
|-----------|-----|---------------|-----|--------------|---|---|
| Fer | ppm | ASTM D5185(m) | >15 | <1 | 2 | 1 |
| Aluminium | ppm | ASTM D5185(m) | >10 | <1 | 0 | 6 |
| Cuivre | ppm | ASTM D5185(m) | >10 | 1 | 3 | 3 |
| Plomb | ppm | ASTM D5185(m) | >10 | 0 | 6 | 0 |
| Étain | ppm | ASTM D5185(m) | >10 | 0 | 2 | 0 |
| Argent | ppm | ASTM D5185(m) | >10 | <1 | 0 | 0 |
| Zinc | ppm | ASTM D5185(m) | >10 | 2 | 0 | 2 |

CONTAMINANTS

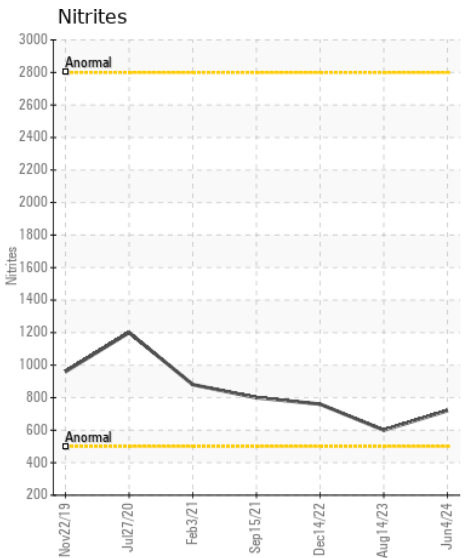
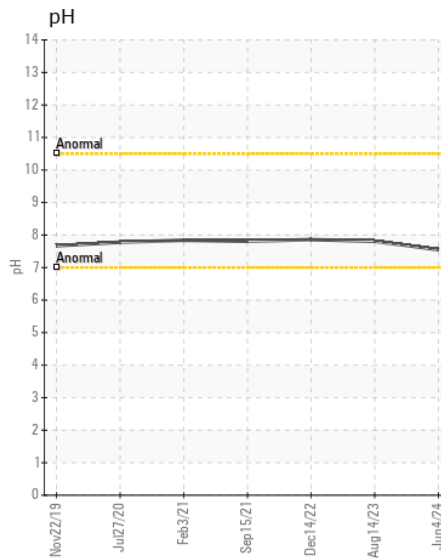
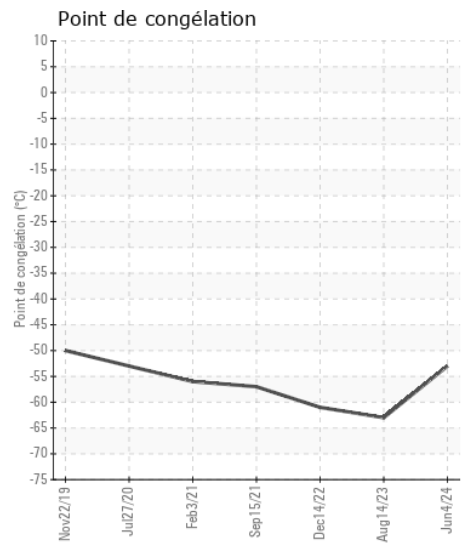
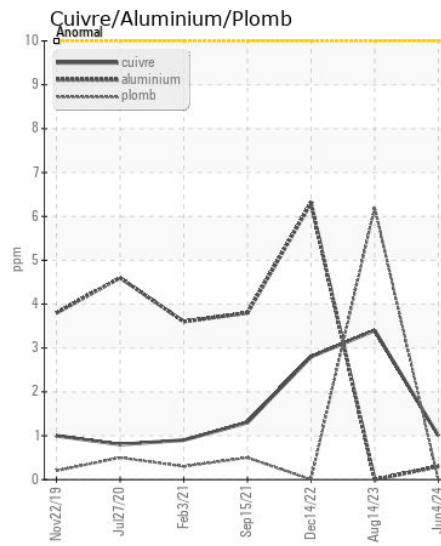
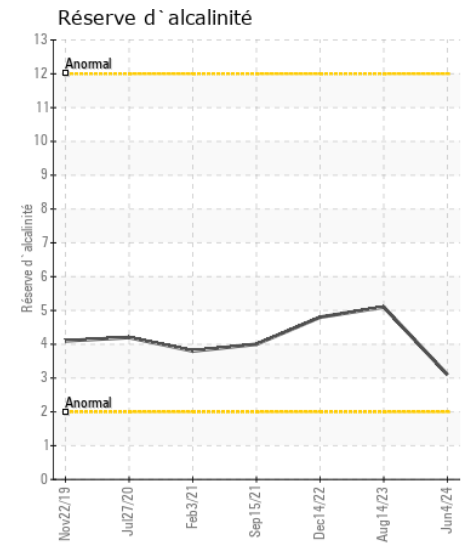
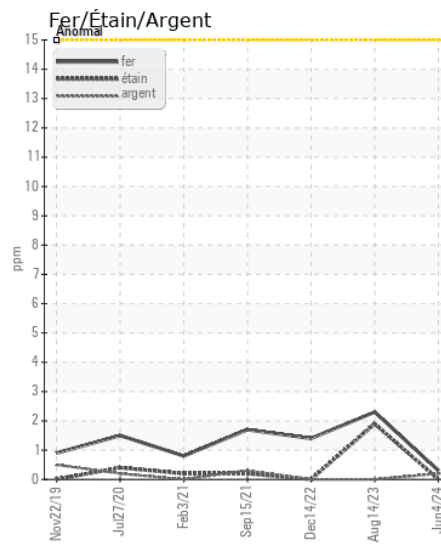
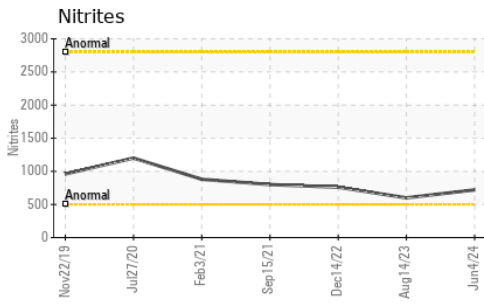
There is no indication of any contamination in the coolant.

| | | | | | | |
|---|--------|---------------|-------|--------------|-------|-------|
| Calcium | ppm | ASTM D5185(m) | >100 | 11 | 13 | 22 |
| Magnésium | ppm | ASTM D5185(m) | >40 | 2 | <1 | 4 |
| Apparence | scalar | Visual* | NORML | NORML | NORML | NORML |
| Odeur | scalar | Visual* | NORML | NORML | NORML | NORML |
| Apparence du liquide de refroidissement | | Visual* | Clear | Clear | Clear | Clear |

ÉTAT DU LIQUIDE REFROIDISSEMENT

The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

| | | | | | | |
|---------------------------------------|------------|-----------------|----------|--------------|--------|--------|
| Point d'ébullition | °C | WC Method* | | 112 | --- | --- |
| Densité | | ASTM D1298* | | 1.085 | 1.084 | 1.082 |
| pH | Scale 0-14 | ASTM D1287* | 9.0 | 7.55 | 7.81 | 7.86 |
| Nitrites | ppm | Alcan Test Kit* | | 720 | 600 | 760 |
| Réserve d'alcalinité | Scale 0-20 | ASTM D1121* | | 3.1 | 5.1 | 4.8 |
| Pourcentage de glycol | % | ASTM D3321* | 50 | 65.0 | 64.5 | 62.9 |
| Point de congélation | °C | ASTM D3321* | -40 | -53 | -63 | -61 |
| Carboxylate | | | | --- | --- | --- |
| Silicium | ppm | ASTM D5185(m) | | 96 | 118 | 123 |
| Phosphore | ppm | ASTM D5185(m) | | 16 | 26 | 8 |
| Bore | ppm | ASTM D5185(m) | | 89 | 99 | 106 |
| Molybdène | ppm | ASTM D5185(m) | | 601 | 609 | 750 |
| Sodium | ppm | ASTM D5185(m) | | 6539 | 3427 | 3658 |
| Potassium | ppm | ASTM D5185(m) | | 2785 | 1831 | 2474 |
| Couleur du liquide de refroidissement | | Visual* | Orange/R | Red | Orange | Orange |



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

N° d'échantillon : PC0082954

N° de laboratoire : 02640014

Numéro unique : 5789176

Analyse : COOL (Additional Tests: GlycolType)

Reçu : 05 Jun 2024

Tested : 05 Jun 2024

Diagnostiqué : 06 Jun 2024 - Kevin Marson

LES ENTREPRISES MICHAUDVILLE INC.

270 RUE BRUNET

MONT ST-HILAIRE, QC

CA J3H 0M6

Contact: Martin Trudel

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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.

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