



| | |
|----------------|---------------|
| USURE | NORMAL |
| CONTAMINATION | NORMAL |
| ÉTAT DU FLUIDE | NORMAL |

Identité de la machine

1593

Composant

Moteur diesel

Fluid

DIESEL ENGINE OIL SAE 5W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---------------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Numéro d'échant. | | Client Info | | PC0084431 | PC0082476 | PC0078350 |
| Date d'échant. | | Client Info | | 26 Feb 2024 | 21 Nov 2023 | 30 Aug 2023 |
| Âge d la Machine | hrs | Client Info | | 7755 | 7265 | 6670 |
| Âge de l'huile | hrs | Client Info | | 0 | 0 | 0 |
| Âge du filtre | hrs | Client Info | | 0 | 0 | 0 |
| Huile changée | | Client Info | | N/A | N/A | N/A |
| Filtre changé | | Client Info | | N/A | N/A | N/A |
| Statut de l'échant. | | | | NORMAL | NORMAL | NORMAL |

USURE

All component wear rates are normal.

| | | | | | | |
|-----------|-----|---------------|------|--------------|----|----|
| Fer | ppm | ASTM D5185(m) | >100 | 22 | 22 | 22 |
| Chrome | ppm | ASTM D5185(m) | >20 | 1 | 1 | 2 |
| Nickel | ppm | ASTM D5185(m) | >4 | <1 | 0 | 0 |
| Titane | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Argent | ppm | ASTM D5185(m) | >3 | 0 | <1 | <1 |
| Aluminium | ppm | ASTM D5185(m) | >20 | 11 | 15 | 27 |
| Plomb | ppm | ASTM D5185(m) | >40 | <1 | 1 | 1 |
| Cuivre | ppm | ASTM D5185(m) | >330 | <1 | <1 | <1 |
| Étain | ppm | ASTM D5185(m) | >15 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

CONTAMINATION

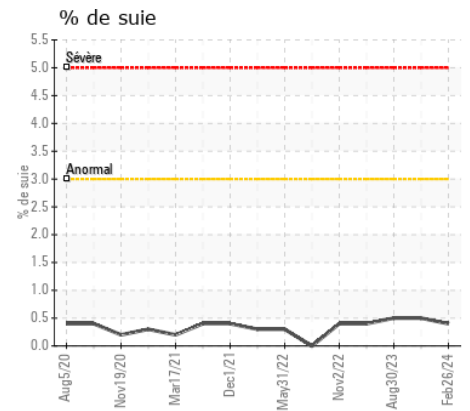
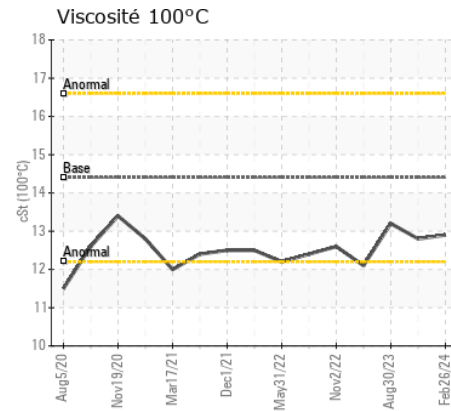
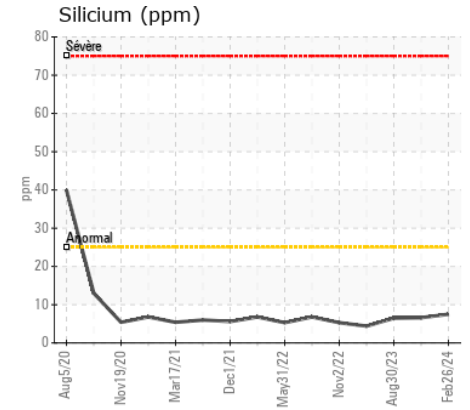
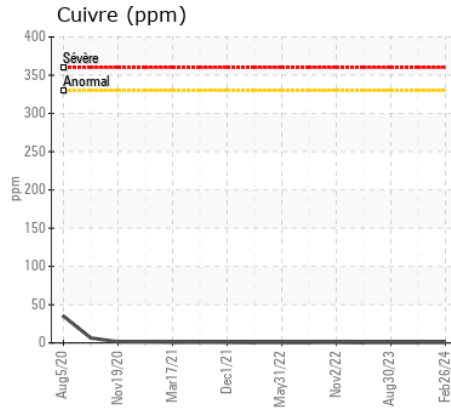
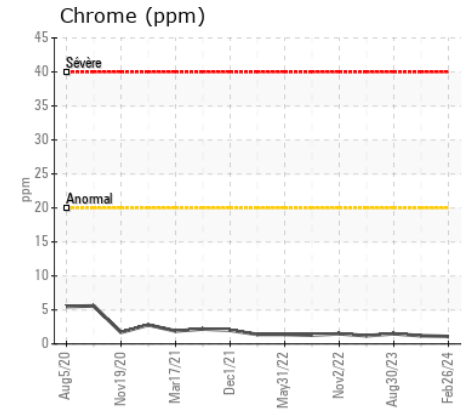
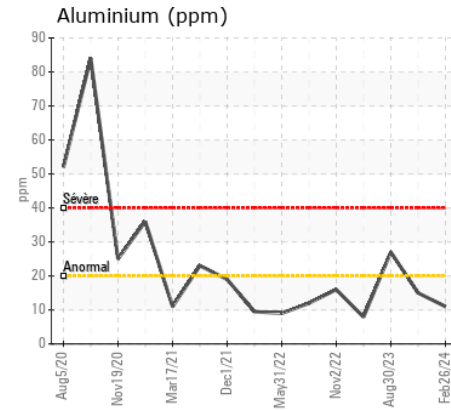
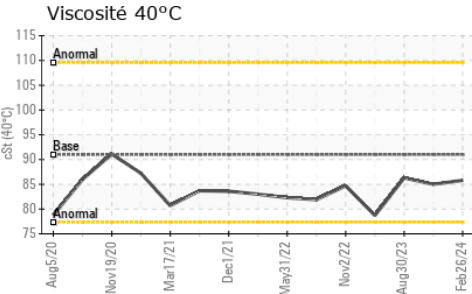
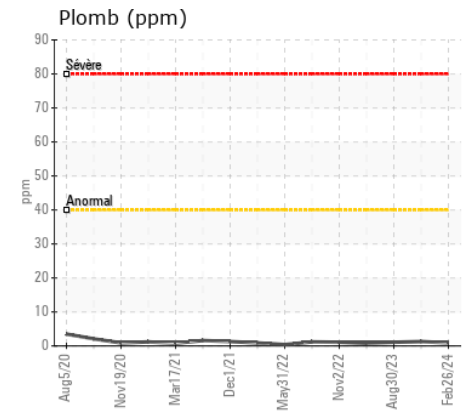
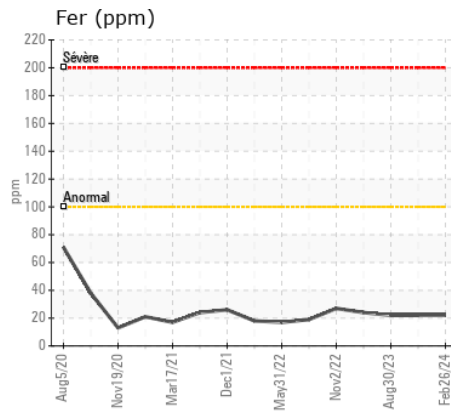
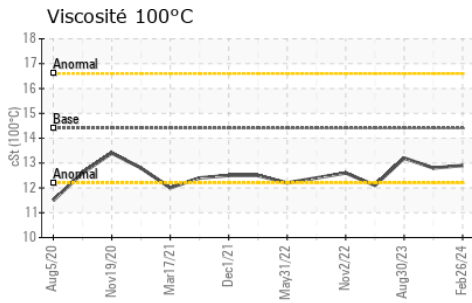
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

| | | | | | | |
|----------------|----------|---------------|------|----------------|------|------|
| Silicium | ppm | ASTM D5185(m) | >25 | 8 | 7 | 6 |
| Potassium | ppm | ASTM D5185(m) | >20 | 19 | 40 | 78 |
| Essence | | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| L'eau | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| % de suie | % | ASTM D7844* | >3 | 0.4 | 0.5 | 0.5 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 9.3 | 9.9 | 9.0 |
| Sulfatation | Abs/.1mm | ASTM D7415* | >30 | 20.9 | 22.0 | 23.1 |
| Eau émulsifiée | scalar | Visual* | >0.2 | NEG | NEG | NEG |

ÉTAT DU FLUIDE

The condition of the oil is acceptable for the time in service.

| | | | | | | |
|--------------------------|----------|---------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185(m) | >44 | 3 | 4 | 4 |
| Bore | ppm | ASTM D5185(m) | 250 | <1 | 1 | 2 |
| Baryum | ppm | ASTM D5185(m) | 10 | 0 | <1 | 0 |
| Molybdène | ppm | ASTM D5185(m) | 100 | 59 | 60 | 59 |
| Manganèse | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Magnésium | ppm | ASTM D5185(m) | 450 | 952 | 972 | 967 |
| Calcium | ppm | ASTM D5185(m) | 3000 | 1167 | 1106 | 1160 |
| Phosphore | ppm | ASTM D5185(m) | 1150 | 1035 | 1015 | 1102 |
| Zinc | ppm | ASTM D5185(m) | 1350 | 1200 | 1218 | 1224 |
| Soufre | ppm | ASTM D5185(m) | 4250 | 2711 | 2454 | 2612 |
| Oxydation | Abs/.1mm | ASTM D7414* | >25 | 16.3 | 16.9 | 16.6 |
| Visc 40°C | cSt | ASTM D7279(m) | 91 | 85.8 | 85.0 | 86.3 |
| Visc 100°C | cSt | ASTM D7279(m) | 14.4 | 12.9 | 12.8 | 13.2 |
| Indice de viscosité (VI) | Scale | ASTM D2270* | 164 | 149 | 149 | 153 |



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : PC0084431
N° de laboratoire : 02618280
Numéro unique : 5735390
Analyse : MOB 1 (Additional Tests: KV40, VI)

LES ENTREPRISES MICHAUVILLE INC.
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 MONT ST-HILAIRE, QC
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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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