



Identité de la machine

1579

Composant

Moteur diesel

Fluide

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 | | PC0071005 | PC0070902 | PC0064709 |
| Date d'échant. | | Client Info | | 16 Jul 2023 | 12 Mar 2023 | 28 Sep 2022 |
| Âge d la Machine | hrs | Client Info | | 28519 | 28047 | 27561 |
| 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 | 19 | 18 | 8 |
| Chrome | ppm | ASTM D5185(m) | >20 | <1 | <1 | 0 |
| Nickel | ppm | ASTM D5185(m) | >4 | 0 | <1 | 0 |
| Titane | ppm | ASTM D5185(m) | | <1 | <1 | <1 |
| Argent | ppm | ASTM D5185(m) | >3 | 0 | 0 | 0 |
| Aluminium | ppm | ASTM D5185(m) | >20 | 4 | 4 | 2 |
| Plomb | ppm | ASTM D5185(m) | >40 | 2 | 8 | 11 |
| Cuivre | ppm | ASTM D5185(m) | >330 | <1 | <1 | <1 |
| Étain | ppm | ASTM D5185(m) | >15 | <1 | <1 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

CONTAMINATION

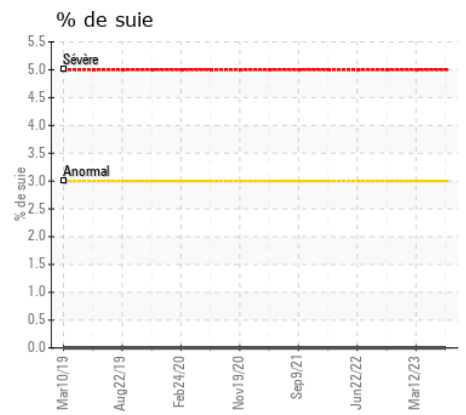
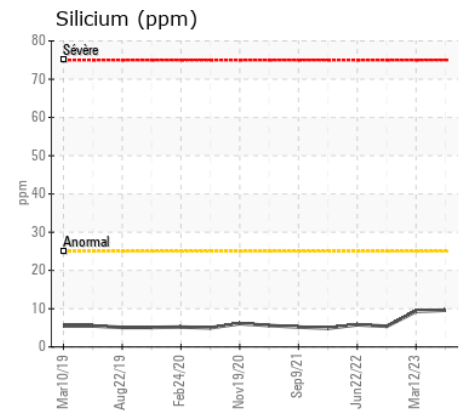
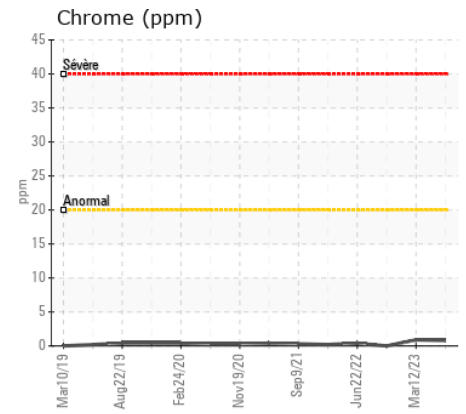
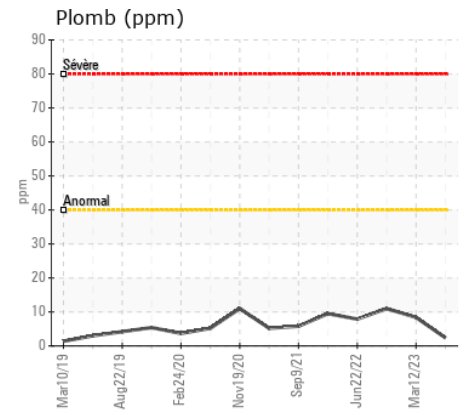
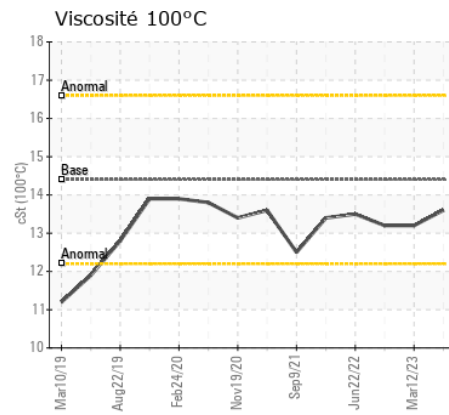
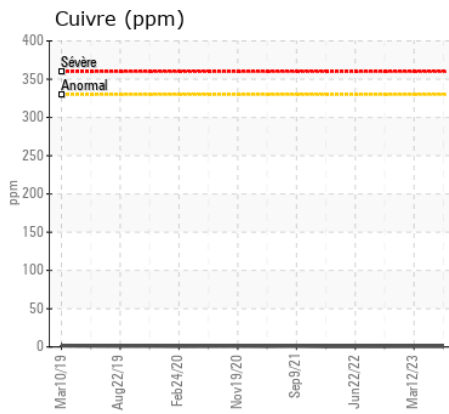
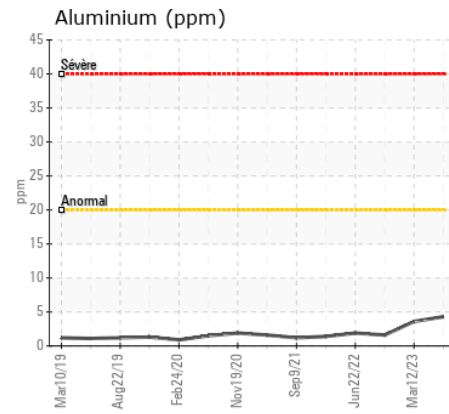
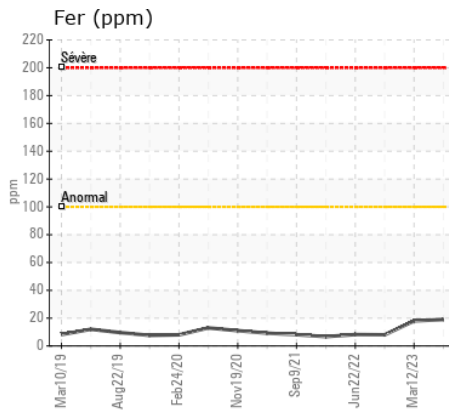
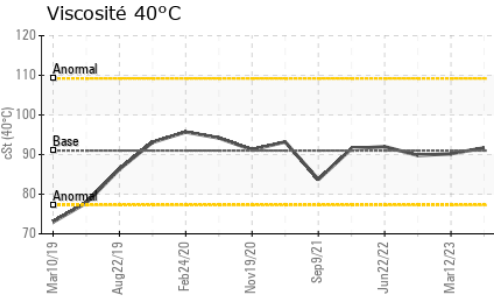
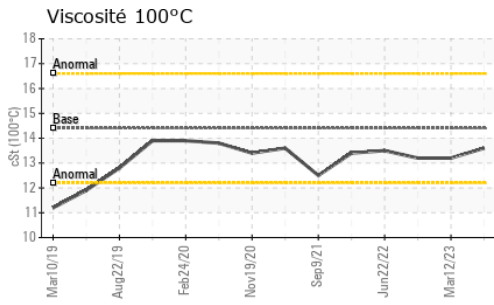
There is no indication of any contamination in the oil.

| | | | | | | |
|----------------|----------|---------------|------|----------------|------|------|
| Silicium | ppm | ASTM D5185(m) | >25 | 10 | 9 | 5 |
| Potassium | ppm | ASTM D5185(m) | >20 | 1 | <1 | <1 |
| Essence | | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| Glycol | | WC Method | | NEG | NEG | NEG |
| % de suie | % | ASTM D7844* | >3 | 0 | 0 | 0 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 8.6 | 8.9 | 8.6 |
| Sulfatation | Abs/.1mm | ASTM D7415* | >30 | 20.2 | 22.4 | 21.7 |
| 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 | 5 | 5 | 5 |
| Bore | ppm | ASTM D5185(m) | 250 | 2 | 2 | 4 |
| Baryum | ppm | ASTM D5185(m) | 10 | 0 | 0 | 0 |
| Molybdène | ppm | ASTM D5185(m) | 100 | 57 | 60 | 57 |
| Manganèse | ppm | ASTM D5185(m) | | <1 | <1 | <1 |
| Magnésium | ppm | ASTM D5185(m) | 450 | 972 | 1005 | 954 |
| Calcium | ppm | ASTM D5185(m) | 3000 | 1098 | 1213 | 1263 |
| Phosphore | ppm | ASTM D5185(m) | 1150 | 1082 | 1122 | 1104 |
| Zinc | ppm | ASTM D5185(m) | 1350 | 1209 | 1261 | 1251 |
| Soufre | ppm | ASTM D5185(m) | 4250 | 2577 | 2721 | 2699 |
| Oxydation | Abs/.1mm | ASTM D7414* | >25 | 16.5 | 17.6 | 18.2 |
| Visc 40°C | cSt | ASTM D7279(m) | 91 | 91.7 | 90.2 | 89.8 |
| Visc 100°C | cSt | ASTM D7279(m) | 14.4 | 13.6 | 13.2 | 13.2 |
| Indice de viscosité (VI) | Scale | ASTM D2270* | 164 | 150 | 146 | 146 |



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUVILLE INC.
N° d'échantillon : PC0071005 **Reçu** : 17 Jul 2023
N° de laboratoire : 02570363 **Diagnostiqueur** : 17 Jul 2023
Numéro unique : 5607409 **Diagnostiqueur** : Wes Davis
Analyse : MOB 1 (Additional Tests: KV40, VI)

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.

Validity of results and interpretation are based on the sample and information as supplied.

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