



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

RAPPORT D'ANALYSE D'HUILE

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

Secteur

GARNISON OF MONTREAL

Identité de la machine

GD4101

Composant

Moteur diesel

Fluide

DIESEL ENGINE OIL SAE 15W40 (--- LTR)

RECOMMANDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---------------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Numéro d'échant. | | Client Info | | WA0019854 | GD0005527 | GD0004244 |
| Date d'échant. | | Client Info | | 26 Jun 2023 | 22 Jul 2022 | 25 Sep 2020 |
| Âge d la Machine | hrs | Client Info | | 785 | 0 | 685 |
| 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 | Changed | Changed |
| Filtre changé | | Client Info | | N/A | N/A | N/A |
| Statut de l'échant. | | | | NORMAL | NORMAL | NORMAL |

USURE

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

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

CONTAMINATION

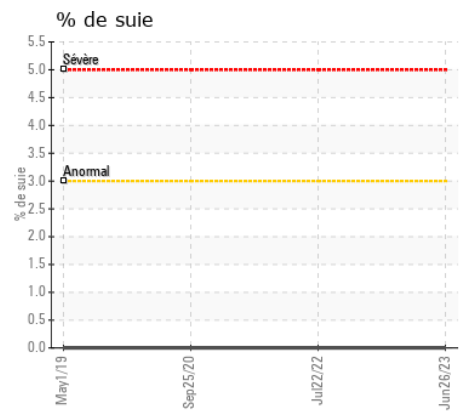
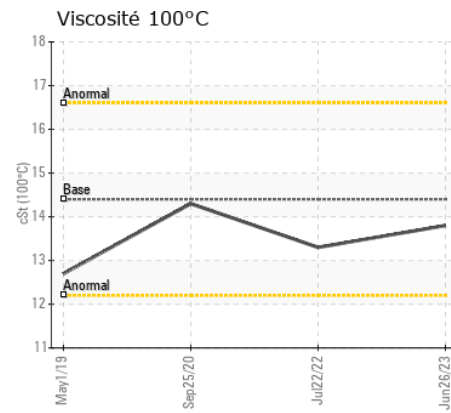
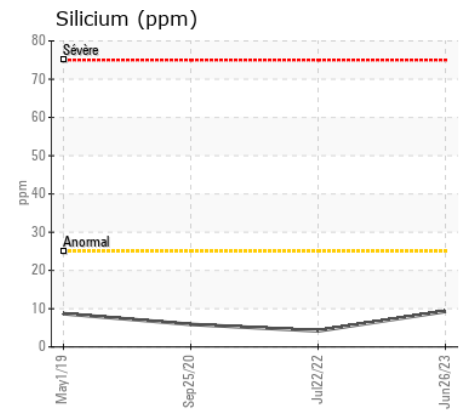
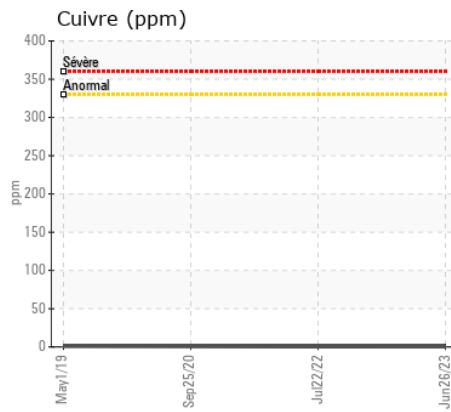
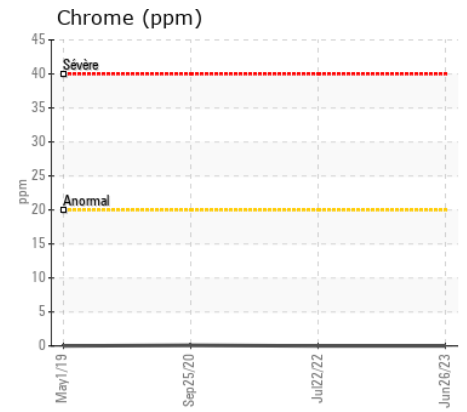
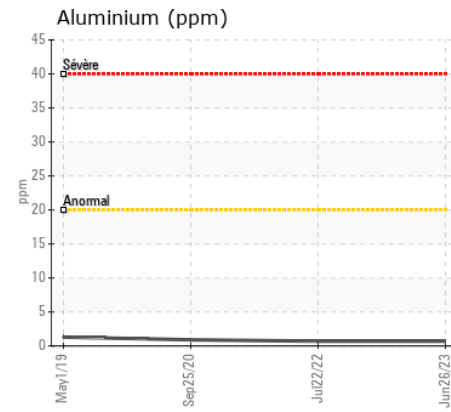
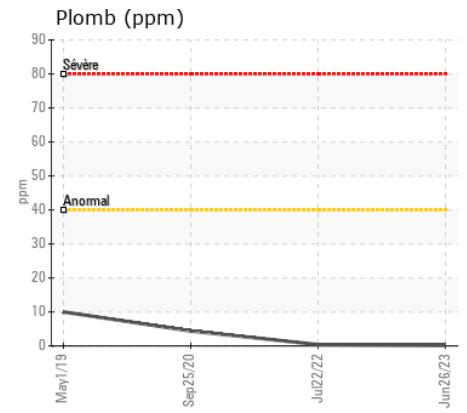
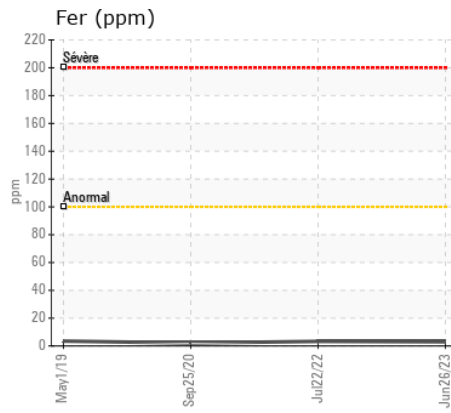
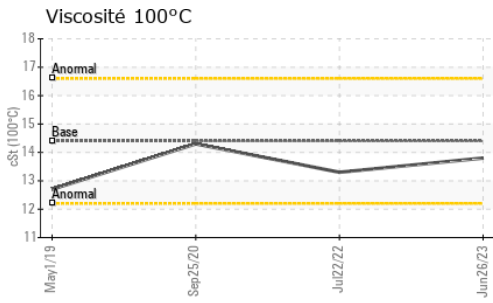
Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|----------------|----------|---------------|------|----------------|------|------|
| Silicium | ppm | ASTM D5185(m) | >25 | 9 | 4 | 6 |
| 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 | 4.9 | 5.3 | 5.3 |
| Sulfatation | Abs/.1mm | ASTM D7415* | >30 | 18.1 | 18.6 | 18.7 |
| Eau émulsifiée | scalar | Visual* | >0.2 | NEG | NEG | NEG |

ÉTAT DU FLUIDE

L'état de l'huile est acceptable pour la durée de service.

| | | | | | | |
|------------|----------|---------------|------|-------------|------|------|
| Sodium | ppm | ASTM D5185(m) | >158 | 1 | 2 | <1 |
| Bore | ppm | ASTM D5185(m) | 250 | 2 | 2 | 13 |
| Baryum | ppm | ASTM D5185(m) | 10 | 0 | 0 | 0 |
| Molybdène | ppm | ASTM D5185(m) | 100 | 61 | 58 | 59 |
| Manganèse | ppm | ASTM D5185(m) | | 0 | <1 | <1 |
| Magnésium | ppm | ASTM D5185(m) | 450 | 1020 | 966 | 815 |
| Calcium | ppm | ASTM D5185(m) | 3000 | 1091 | 1091 | 1206 |
| Phosphore | ppm | ASTM D5185(m) | 1150 | 1124 | 1028 | 985 |
| Zinc | ppm | ASTM D5185(m) | 1350 | 1235 | 1213 | 1182 |
| Soufre | ppm | ASTM D5185(m) | 4250 | 2731 | 2732 | 2858 |
| Oxydation | Abs/.1mm | ASTM D7414* | >25 | 13.4 | 14.1 | 15.6 |
| Visc 100°C | cSt | ASTM D7279(m) | 14.4 | 13.8 | 13.3 | 14.3 |



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WA0019854
N° de laboratoire : 02569285
Numéro unique : 5606331
Analyse : MOB 1

Reçu : 12 Jul 2023
Diagnostiqué : 12 Jul 2023
Diagnostiqueur : Wes Davis

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