



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

RAPPORT D'ANALYSE D'HUILE

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

Secteur

[6100218286]

Identité de la machine

HITACHI RYUPD860TH8405727

Composant

Moteur diesel

Fluide

SHELL ROTELLA T 15W40 (--- GAL)

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 | | WA0019299 | WA0019196 | WA0018906 |
| Date d'échant. | | Client Info | | 01 Nov 2023 | 03 Aug 2023 | 25 Apr 2023 |
| Âge d la Machine | hrs | Client Info | | 2067 | 1529 | 1056 |
| Âge de l'huile | hrs | Client Info | | 0 | 0 | 500 |
| Âge du filtre | hrs | Client Info | | 0 | 0 | 0 |
| Huile changée | | Client Info | | Changed | N/A | Changed |
| Filtre changé | | Client Info | | Changed | N/A | Changed |
| Statut de l'échant. | | | | NORMAL | ABNORMAL | NORMAL |

USURE

Les taux d'usure de tous les composants sont normaux.

| | | | | | | |
|-----------|-----|---------------|------|--------------|----|----|
| Fer | ppm | ASTM D5185(m) | >100 | 24 | 65 | 47 |
| Chrome | ppm | ASTM D5185(m) | >20 | 2 | 6 | 4 |
| Nickel | ppm | ASTM D5185(m) | >4 | <1 | <1 | <1 |
| Titane | ppm | ASTM D5185(m) | | <1 | 2 | 1 |
| Argent | ppm | ASTM D5185(m) | >3 | <1 | 0 | 0 |
| Aluminium | ppm | ASTM D5185(m) | >20 | 7 | 25 | 10 |
| Plomb | ppm | ASTM D5185(m) | >40 | 3 | 2 | <1 |
| Cuivre | ppm | ASTM D5185(m) | >330 | 133 | 72 | 35 |
| Étain | ppm | ASTM D5185(m) | >15 | 0 | <1 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

CONTAMINATION

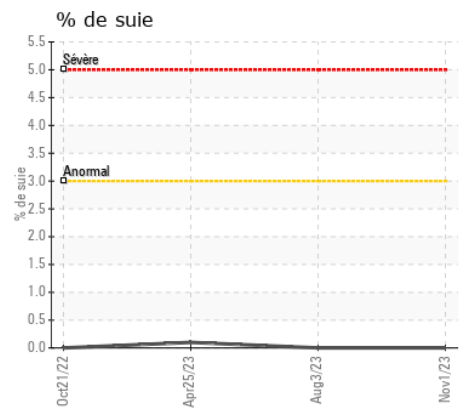
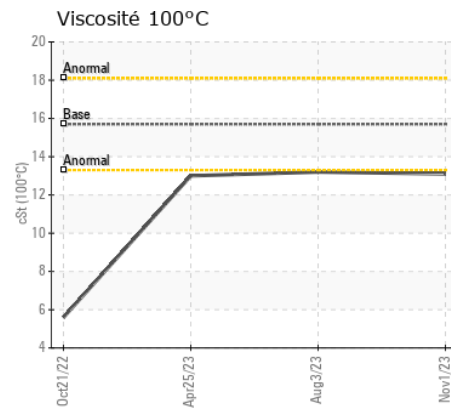
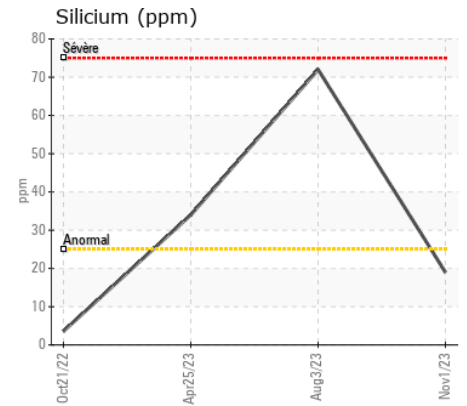
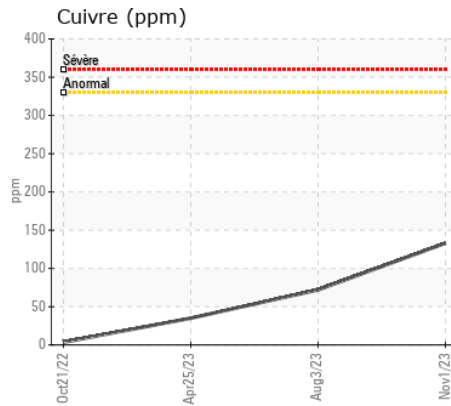
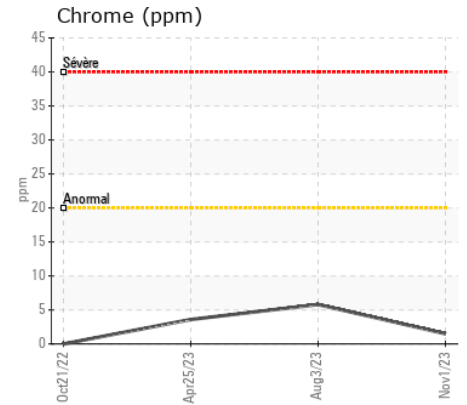
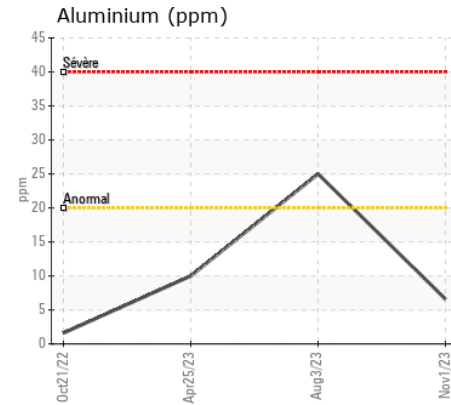
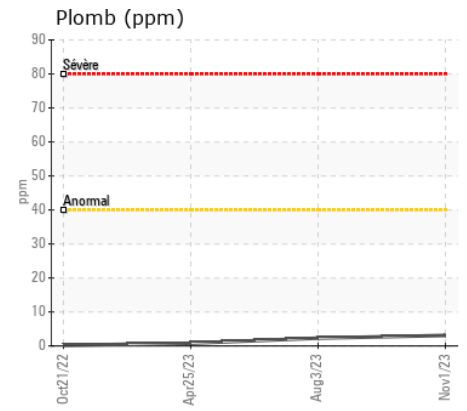
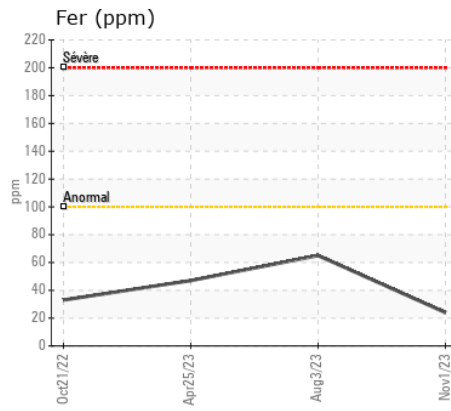
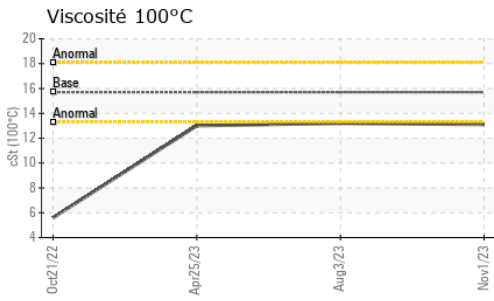
Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|----------------|----------|---------------|------|----------------|------|------|
| Silicium | ppm | ASTM D5185(m) | >25 | 19 | ▲ 72 | 34 |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | 5 | 3 |
| Essence | | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| Glycol | | WC Method | | NEG | NEG | NEG |
| % de suie | % | ASTM D7844* | >3 | 0 | 0 | 0.1 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 7.1 | 7.0 | 6.9 |
| Sulfatation | Abs/.1mm | ASTM D7415* | >30 | 18.1 | 18.0 | 17.3 |
| 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) | | 4 | 9 | 5 |
| Bore | ppm | ASTM D5185(m) | 35 | 13 | 14 | 14 |
| Baryum | ppm | ASTM D5185(m) | 0 | <1 | 0 | 0 |
| Molybdène | ppm | ASTM D5185(m) | 0 | 15 | 13 | 9 |
| Manganèse | ppm | ASTM D5185(m) | 0 | 0 | 1 | 1 |
| Magnésium | ppm | ASTM D5185(m) | 10 | 94 | 96 | 103 |
| Calcium | ppm | ASTM D5185(m) | 2340 | 2225 | 2245 | 2251 |
| Phosphore | ppm | ASTM D5185(m) | 1110 | 892 | 940 | 966 |
| Zinc | ppm | ASTM D5185(m) | 1210 | 1066 | 1051 | 1033 |
| Soufre | ppm | ASTM D5185(m) | 3890 | 2950 | 3034 | 3024 |
| Oxydation | Abs/.1mm | ASTM D7414* | >25 | 10.7 | 9.7 | 9.4 |
| Visc 100°C | cSt | ASTM D7279(m) | 15.7 | 13.1 | 13.2 | 13.0 |



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WA0019299
N° de laboratoire : 02594042
Numéro unique : 5671121
Analyse : MOB 1

Reçu : 06 Nov 2023
Diagnostiqué : 06 Nov 2023
Diagnostiqueur : Wes Davis

UBIC
 258 RUE DU MOULIN
 AMOS, QC
 CA J9T 3A5
 Contact: Service Manager

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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F: