



RAPPORT D'ANALYSE D'HUILE

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

Secteur
MUNICIPALITE DE ST-SULPICE [02592788]
 Identité de la machine
CASE 580 SN WT JJGN58WTVPC782377
 Composant
Système hydraulique
 Fluide
PANOLIN HLP SYNTH 46 (129 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 | | WC | --- | --- |
| Date d'échant. | | Client Info | | 23 Oct 2023 | --- | --- |
| Âge d la Machine | hrs | Client Info | | 5 | --- | --- |
| Âge de l'huile | hrs | Client Info | | 0 | --- | --- |
| Âge du filtre | hrs | Client Info | | 0 | --- | --- |
| Huile changée | | Client Info | | N/A | --- | --- |
| Filtre changé | | Client Info | | N/A | --- | --- |
| Statut de l'échant. | | | | NORMAL | --- | --- |

USURE

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

| | | | | | | |
|-------------|--------|---------------|------|--------------|-----|-----|
| Fer | ppm | ASTM D5185(m) | >65 | 0 | --- | --- |
| Chrome | ppm | ASTM D5185(m) | >6 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >10 | <1 | --- | --- |
| Titane | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Argent | ppm | ASTM D5185(m) | | <1 | --- | --- |
| Aluminium | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Plomb | ppm | ASTM D5185(m) | >45 | 0 | --- | --- |
| Cuivre | ppm | ASTM D5185(m) | >120 | <1 | --- | --- |
| Étain | ppm | ASTM D5185(m) | >4 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Métal blanc | scalar | Visual* | NONE | NONE | --- | --- |
| Bronze | scalar | Visual* | NONE | NONE | --- | --- |

CONTAMINATION

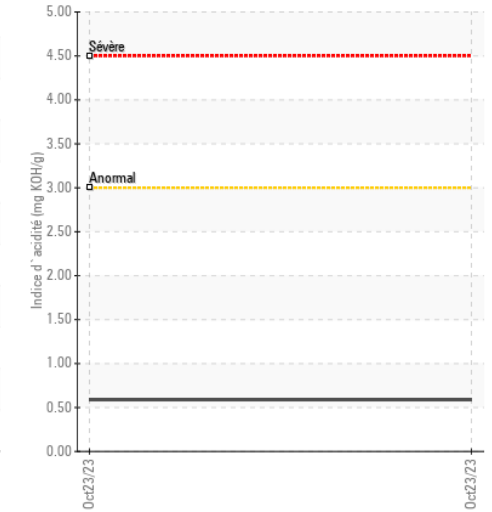
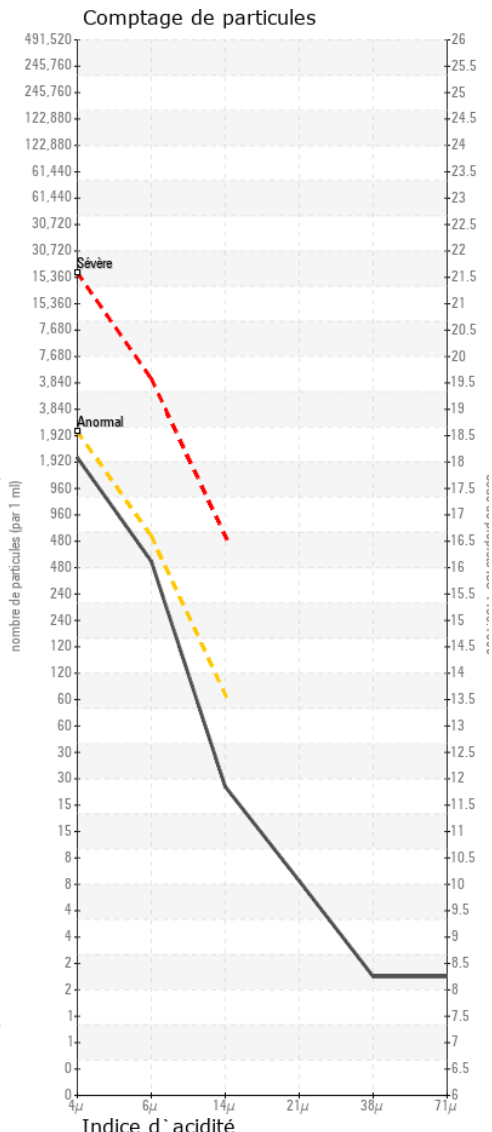
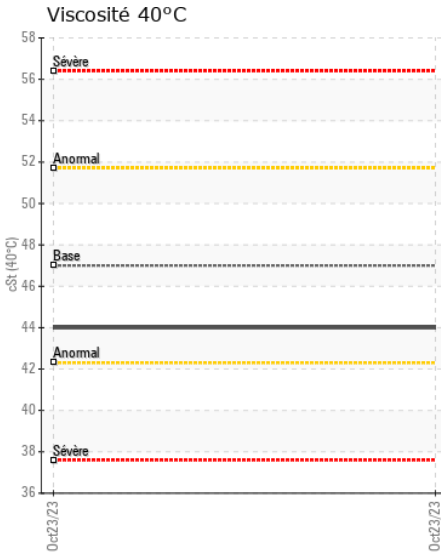
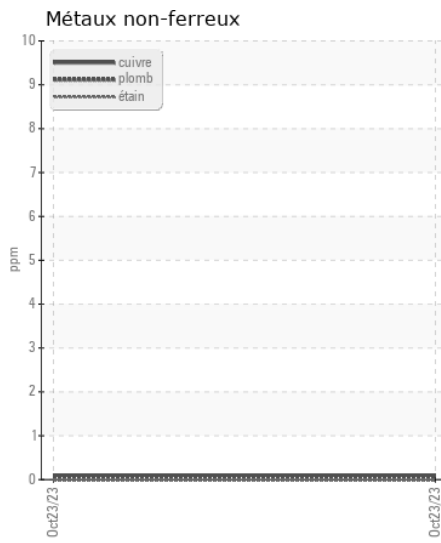
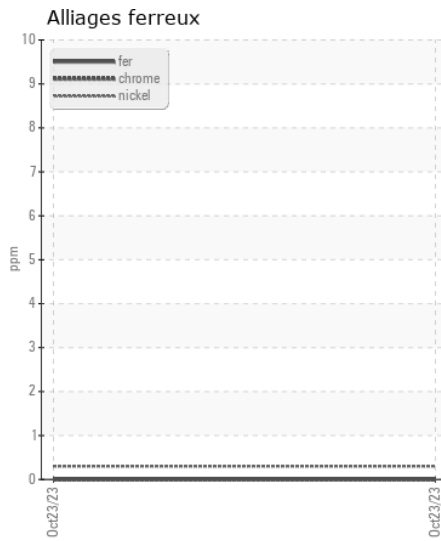
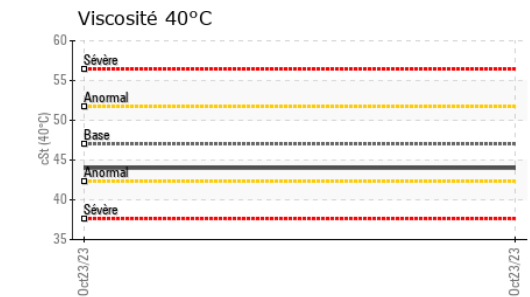
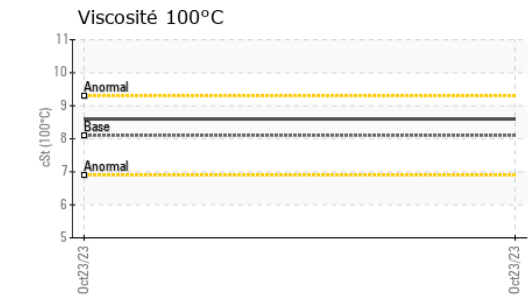
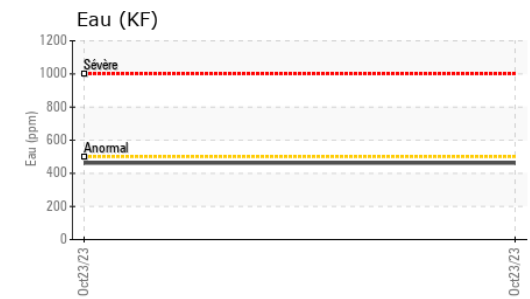
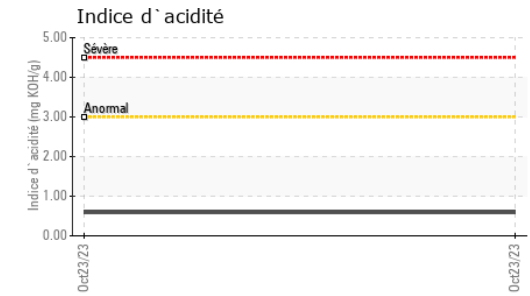
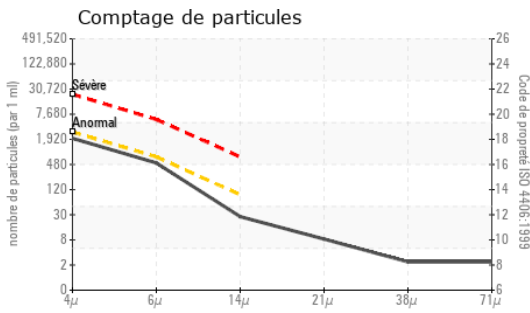
Il y a une faible concentration (<5.0%) d'huile minérale présente dans le fluide. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La teneur en eau est négligeable. La propreté du système et du fluide est acceptable.

| | | | | | | |
|---------------------------|----------|---------------|-----------|-----------------|-----|-----|
| Silicium | ppm | ASTM D5185(m) | >25 | <1 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 0 | --- | --- |
| Eau | % | ASTM D6304* | >0.05 | 0.046 | --- | --- |
| ppm d'eau | ppm | ASTM D6304* | >500 | 462.1 | --- | --- |
| % de suie | % | ASTM D7844* | | 0 | --- | --- |
| Nitration | Abs./cm | ASTM D7624* | | 4.2 | --- | --- |
| Sulfatation | Abs./1mm | ASTM D7415* | | 158.8 | --- | --- |
| Contenu en huile minérale | % | ASTM D7418* | <5.0% | <5.0 | --- | --- |
| Particules >4µ | | ASTM D7647 | >2500 | 1781 | --- | --- |
| Particules >6µ | | ASTM D7647 | >640 | 459 | --- | --- |
| Particules >14µ | | ASTM D7647 | >80 | 24 | --- | --- |
| Particules >21µ | | ASTM D7647 | >20 | 7 | --- | --- |
| Particules >38µ | | ASTM D7647 | >4 | 2 | --- | --- |
| Particules >71µ | | ASTM D7647 | >3 | 2 | --- | --- |
| Propreté de l'huile | | ISO 4406 (c) | >18/16/13 | 18/16/12 | --- | --- |
| Limon | scalar | Visual* | NONE | NONE | --- | --- |
| Débris | scalar | Visual* | NONE | NONE | --- | --- |
| Saleté | scalar | Visual* | NONE | NONE | --- | --- |
| Apparence | scalar | Visual* | NORML | NORML | --- | --- |
| Odeur | scalar | Visual* | NORML | NORML | --- | --- |
| Eau émulsifiée | scalar | Visual* | >0.05 | NEG | --- | --- |

ÉTAT DU FLUIDE

Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

| | | | | | | |
|--------------------------|----------|---------------|------|--------------|-----|-----|
| Sodium | ppm | ASTM D5185(m) | | <1 | --- | --- |
| Bore | ppm | ASTM D5185(m) | 0 | 1 | --- | --- |
| Baryum | ppm | ASTM D5185(m) | 0 | <1 | --- | --- |
| Molybdène | ppm | ASTM D5185(m) | 0 | 0 | --- | --- |
| Manganèse | ppm | ASTM D5185(m) | 0 | 0 | --- | --- |
| Magnésium | ppm | ASTM D5185(m) | 0 | 0 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | 0 | 3 | --- | --- |
| Phosphore | ppm | ASTM D5185(m) | 1700 | 1652 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | 0 | <1 | --- | --- |
| Soufre | ppm | ASTM D5185(m) | 1350 | 1343 | --- | --- |
| Oxydation | Abs./1mm | ASTM D7414* | | 154.3 | --- | --- |
| Indice d'acidité | mg KOH/g | ASTM D974* | | 0.59 | --- | --- |
| Visc 40°C | cSt | ASTM D7279(m) | 47.0 | 44.0 | --- | --- |
| Visc 100°C | cSt | ASTM D7279(m) | 8.1 | 8.6 | --- | --- |
| Indice de viscosité (VI) | Scale | ASTM D2270* | 146 | 177 | --- | --- |



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC **Reçu** : 30 Oct 2023
N° de laboratoire : 02592789 **Diagnostiqué** : 31 Oct 2023
Numéro unique : 5669868 **Diagnostiqueur** : Bill Quesnel
Analyse : MOB 2 (Additional Tests: TAN Man)

Envirolin Canada
 520 rue Adanac
 Quebec, QC
 CA G1C 7B7
 Contact: Patrick Levesque
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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.

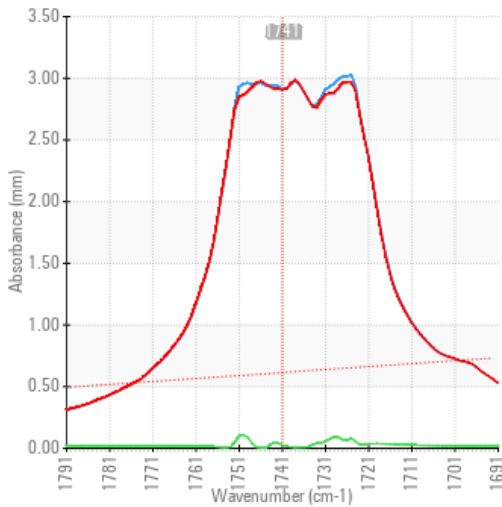


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 Fluide
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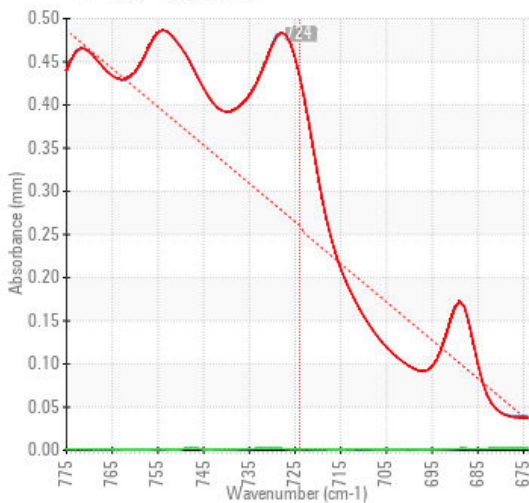
ANALYSE SPECTRAL

| | | methode | limite/base | actuel | passé1 | passé2 |
|---------------------------|-----|---------------|-------------|----------------|--------|--------|
| Contenu en huile minérale | % | ASTM D7418* | <5.0% | <5.0 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | 0 | <1 | --- | --- |

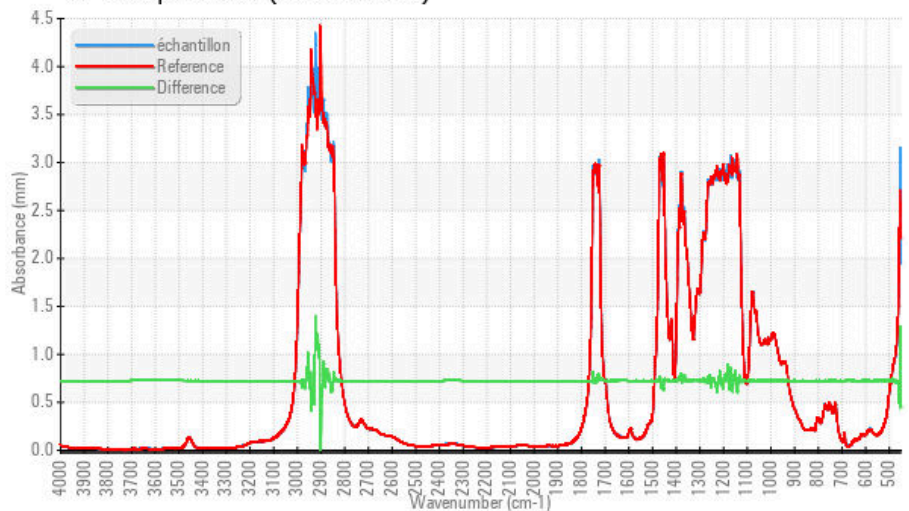
FT-IR - Esters 1



FT-IR - Esters II



FT-IR Spectrum (Absorbance)



ISO 17025:2017
 Accredited
 Laboratory

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