



RAPPORT D'ANALYSE D'HUILE

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

Identité de la machine

253

Composant

Moteur diesel

Fluid

PETRO CANADA DURON SHP 10W30 (40 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 | | WC0909070 | WC0874977 | WC0820369 |
| Date d'échant. | | Client Info | | 12 Mar 2024 | 20 Oct 2023 | 27 Apr 2023 |
| Âge d la Machine | kms | Client Info | | 764923 | 739574 | 709828 |
| Âge de l'huile | kms | Client Info | | 25349 | 29486 | 33622 |
| Âge du filtre | kms | Client Info | | 25349 | 29486 | 33622 |
| Huile changée | | Client Info | | Changed | Changed | Changed |
| Filtre changé | | Client Info | | Changed | Changed | Changed |
| Statut de l'échant. | | | | NORMAL | NORMAL | ABNORMAL |

USURE

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

| | | | | | | |
|-----------|-----|---------------|------|--------------|----|-------------|
| Fer | ppm | ASTM D5185(m) | >200 | 44 | 68 | 49 |
| Chrome | ppm | ASTM D5185(m) | >20 | 2 | 2 | 3 |
| Nickel | ppm | ASTM D5185(m) | >2 | <1 | <1 | <1 |
| Titane | ppm | ASTM D5185(m) | >2 | 0 | 0 | <1 |
| Argent | ppm | ASTM D5185(m) | >2 | 0 | <1 | 0 |
| Aluminium | ppm | ASTM D5185(m) | >30 | 19 | 21 | ▲ 30 |
| Plomb | ppm | ASTM D5185(m) | >30 | 0 | <1 | 0 |
| Cuivre | ppm | ASTM D5185(m) | >30 | 3 | 5 | 4 |
| Étain | ppm | ASTM D5185(m) | >15 | 0 | 0 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

CONTAMINATION

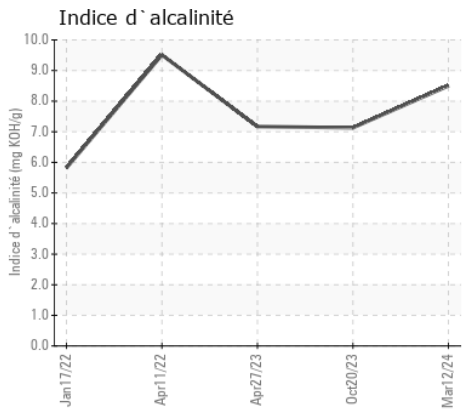
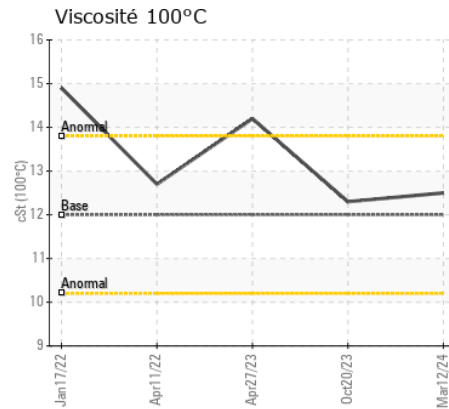
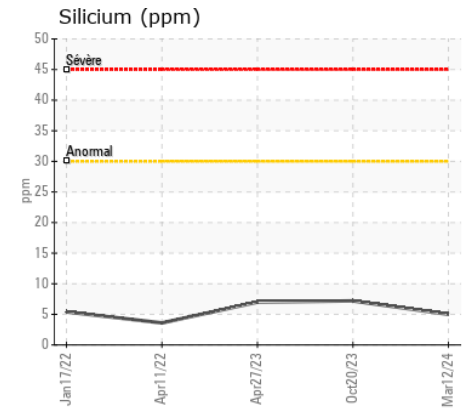
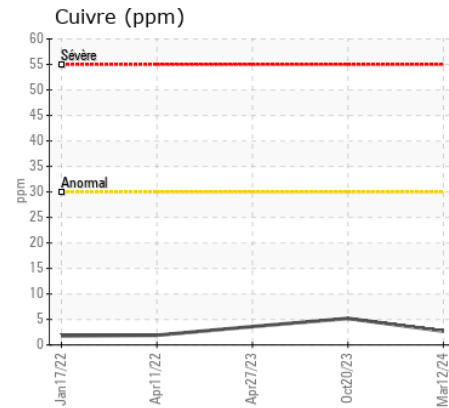
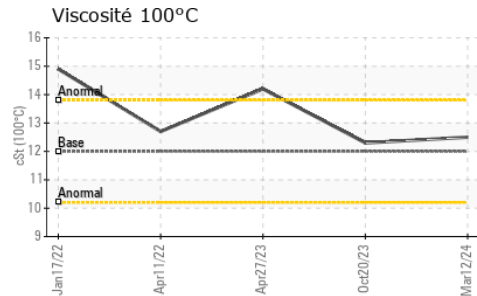
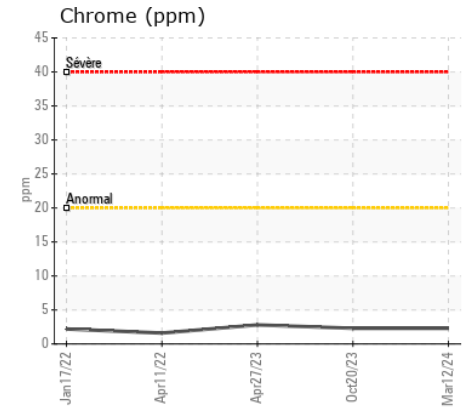
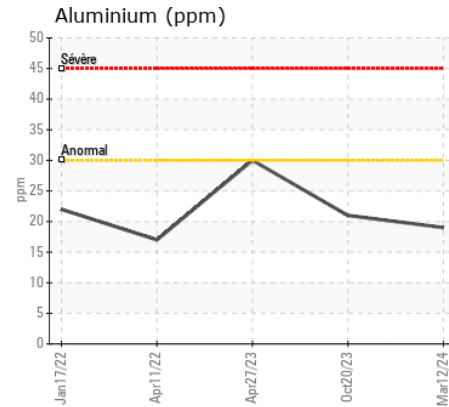
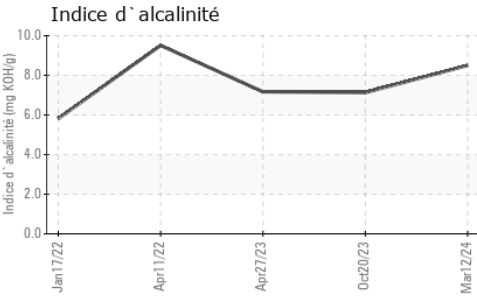
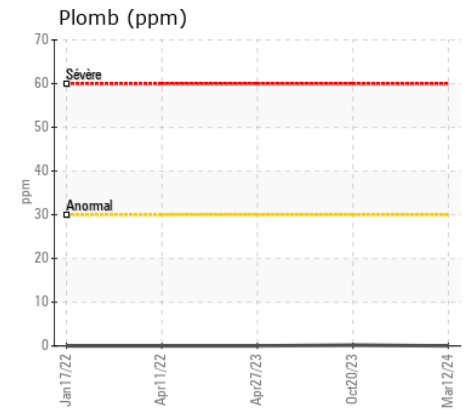
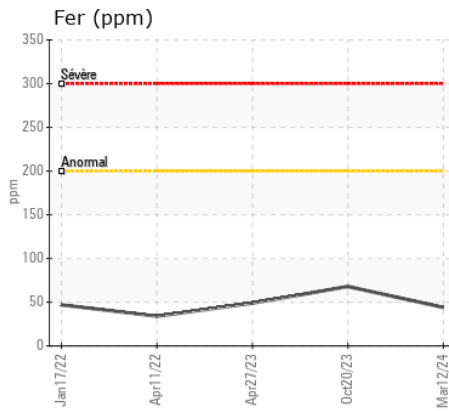
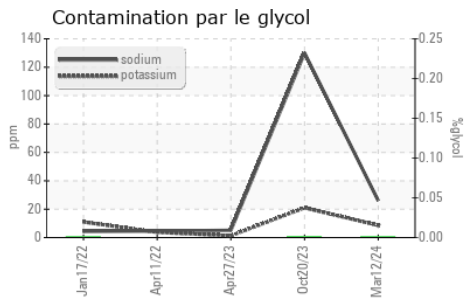
Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|----------------|----------|---------------|------|----------------|------|------|
| Silicium | ppm | ASTM D5185(m) | >30 | 5 | 7 | 7 |
| Potassium | ppm | ASTM D5185(m) | >20 | 9 | 21 | 1 |
| Essence | | WC Method | >3.0 | <1.0 | <1.0 | <1.0 |
| L'eau | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | % | ASTM D7922* | | 0.0 | 0.0 | NEG |
| % de suie | % | ASTM D7844* | >3 | 0.8 | 1 | 1.1 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 12.1 | 13.1 | 13.2 |
| Sulfatation | Abs/.1mm | ASTM D7415* | >30 | 25.1 | 26.1 | 27.8 |
| Eau émulsifiée | scalar | Visual* | >0.2 | NEG | NEG | NEG |

ÉTAT DU FLUIDE

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'état de l'huile permet d'en prolonger l'utilisation.

| | | | | | | |
|---------------------|----------|---------------|-------|--------------|------|---------------|
| Sodium | ppm | ASTM D5185(m) | | 26 | 130 | 5 |
| Bore | ppm | ASTM D5185(m) | 2 | 6 | 18 | 13 |
| Baryum | ppm | ASTM D5185(m) | 0 | 0 | <1 | 0 |
| Molybdène | ppm | ASTM D5185(m) | 50 | 64 | 56 | 70 |
| Manganèse | ppm | ASTM D5185(m) | 0 | <1 | <1 | <1 |
| Magnésium | ppm | ASTM D5185(m) | 950 | 1027 | 720 | 1116 |
| Calcium | ppm | ASTM D5185(m) | 1050 | 1226 | 1608 | 1184 |
| Phosphore | ppm | ASTM D5185(m) | 995 | 1105 | 1028 | 1237 |
| Zinc | ppm | ASTM D5185(m) | 1180 | 1299 | 1274 | 1369 |
| Soufre | ppm | ASTM D5185(m) | 2600 | 2682 | 2493 | 2709 |
| Oxydation | Abs/.1mm | ASTM D7414* | >25 | 21.7 | 24.2 | 24.9 |
| Indice d'alcalinité | mg KOH/g | ASTM D2896* | | 8.50 | 7.13 | 7.17 |
| Visc 100°C | cSt | ASTM D7279(m) | 12.00 | 12.5 | 12.3 | ▲ 14.2 |



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0909070
N° de laboratoire : 02622220
Numéro unique : 5747339
Analyse : MOB 2 (Additional Tests: Glycol)

Reçu : 15 Mar 2024
Tested : 15 Mar 2024
Diagnostiqué : 15 Mar 2024 - Wes Davis

Lachine - Transport Laberge
 435 rue Norman
 Lachine, QC
 CA H8S 1A5
 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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