



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

Identité de la machine

MACK 3952

Composant

Moteur diesel

Fluid

PETRO CANADA DURON SHP 10W30 (--- 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 | | PC0082262 | PC0073270 | PC0059786 |
| Date d'échant. | | Client Info | | 05 Dec 2023 | 26 Jun 2023 | 30 May 2022 |
| Âge d la Machine | kms | Client Info | | 197391 | 177567 | 113060 |
| Âge de l'huile | kms | Client Info | | 17824 | 40779 | 26219 |
| Âge du filtre | kms | Client Info | | 17824 | 40779 | 26219 |
| Huile changée | | Client Info | | Changed | Changed | Changed |
| Filtre changé | | Client Info | | Changed | Changed | Changed |
| Statut de l'échant. | | | | NORMAL | NORMAL | NORMAL |

USURE

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

| | | | | | | |
|-------------|--------|---------------|------|--------------|-----|-----|
| Fer | ppm | ASTM D5185(m) | >100 | 29 | 38 | 29 |
| Chrome | ppm | ASTM D5185(m) | >20 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185(m) | >4 | <1 | <1 | <1 |
| Titane | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Argent | ppm | ASTM D5185(m) | >3 | 0 | <1 | 0 |
| Aluminium | ppm | ASTM D5185(m) | >20 | 3 | 4 | 4 |
| Plomb | ppm | ASTM D5185(m) | >40 | 1 | 2 | 2 |
| Cuivre | ppm | ASTM D5185(m) | >330 | 9 | 12 | 16 |
| Étain | ppm | ASTM D5185(m) | >15 | <1 | 1 | 2 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Métal blanc | scalar | Visual* | NONE | VLITE | --- | --- |
| Bronze | scalar | Visual* | NONE | NONE | --- | --- |

CONTAMINATION

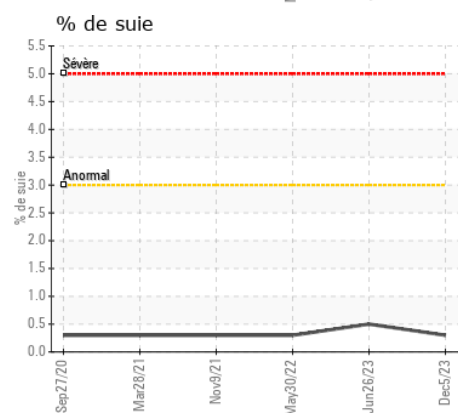
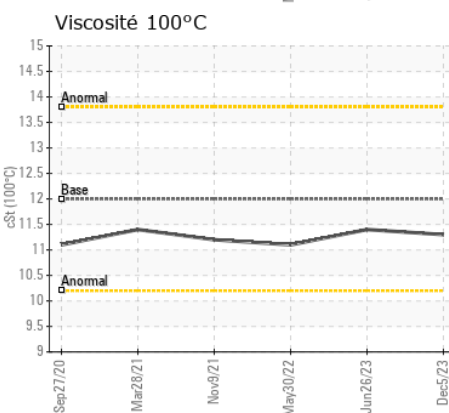
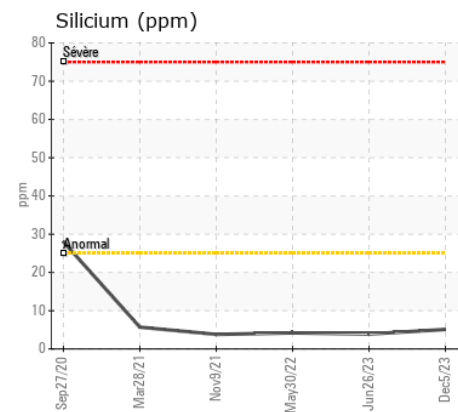
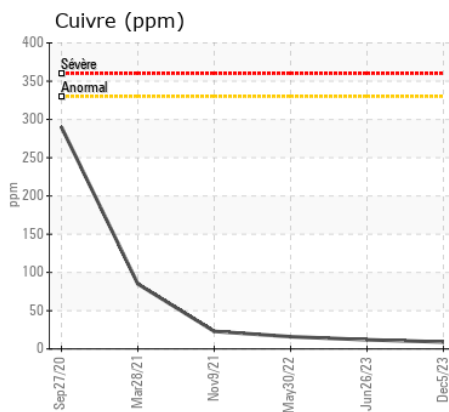
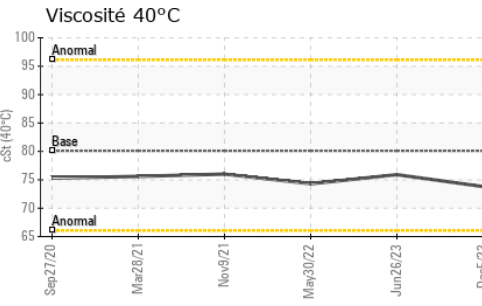
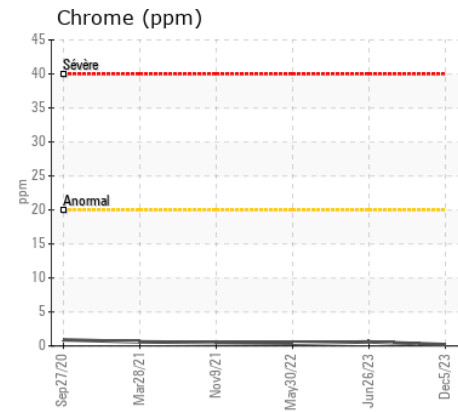
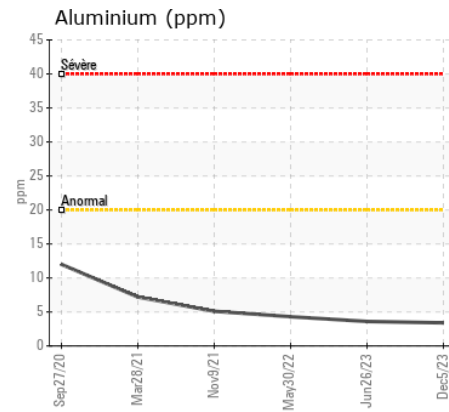
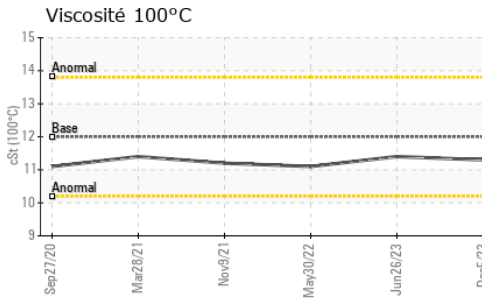
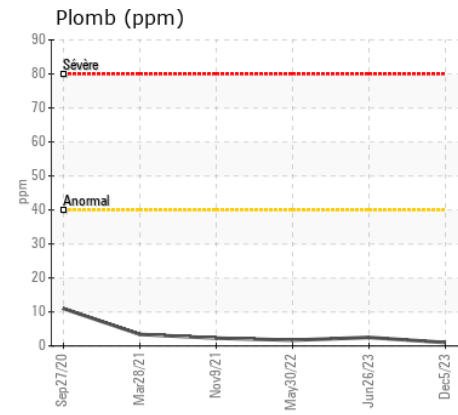
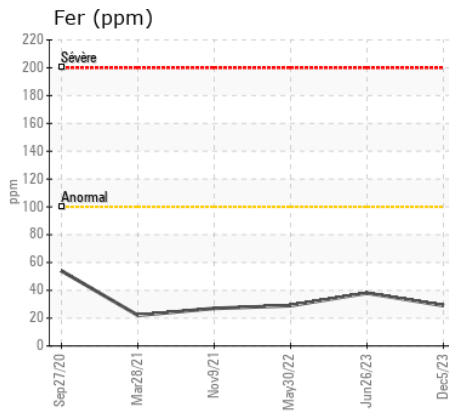
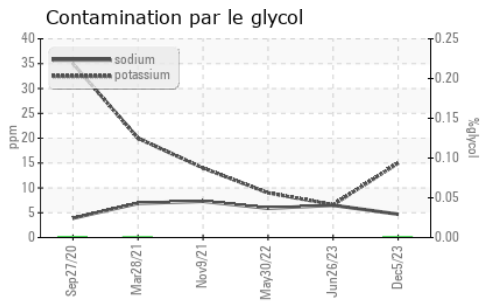
Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|----------------|----------|---------------|-------|----------------|-------|-------|
| Silicium | ppm | ASTM D5185(m) | >25 | 5 | 4 | 4 |
| Potassium | ppm | ASTM D5185(m) | >20 | 15 | 7 | 9 |
| Essence | | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| L'eau | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | % | ASTM D7922* | | 0.0 | NEG | NEG |
| % de suie | % | ASTM D7844* | >3 | 0.3 | 0.5 | 0.3 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 9.7 | 11.2 | 10.5 |
| Sulfatation | Abs/.1mm | ASTM D7415* | >30 | 21.3 | 24.1 | 24.0 |
| 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 | NORML | NORML |
| 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) | | 5 | 6 | 6 |
| Bore | ppm | ASTM D5185(m) | 2 | 2 | 4 | 4 |
| Baryum | ppm | ASTM D5185(m) | 0 | 0 | 0 | 0 |
| Molybdène | ppm | ASTM D5185(m) | 50 | 60 | 63 | 60 |
| Manganèse | ppm | ASTM D5185(m) | 0 | 0 | <1 | <1 |
| Magnésium | ppm | ASTM D5185(m) | 950 | 964 | 931 | 927 |
| Calcium | ppm | ASTM D5185(m) | 1050 | 1111 | 1153 | 1118 |
| Phosphore | ppm | ASTM D5185(m) | 995 | 1003 | 976 | 884 |
| Zinc | ppm | ASTM D5185(m) | 1180 | 1201 | 1173 | 1152 |
| Soufre | ppm | ASTM D5185(m) | 2600 | 2574 | 2379 | 2448 |
| Oxydation | Abs/.1mm | ASTM D7414* | >25 | 17.9 | 20.8 | 18.2 |
| Visc 40°C | cSt | ASTM D7279(m) | 80.1 | 73.8 | 75.9 | 74.3 |
| Visc 100°C | cSt | ASTM D7279(m) | 12.00 | 11.3 | 11.4 | 11.1 |
| Indice de viscosité (VI) | Scale | ASTM D2270* | 144 | 144 | 142 | 139 |



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : PC0082262
N° de laboratoire : 02608443
Numéro unique : 5709529
Analyse : MOB 1 (Additional Tests: Glycol, KV40, VI, Visual)

LOCATION BROSSARD INC
 2190 HYMUS
 DORVAL, QC
 CA H9P 1J7
 Contact: Shawn Lamoureux
 slamoureux@brossard.com

*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.*

T:
F: