



Secteur
MICHAUDVILLE

Identité de la machine

1595

Composant

Moteur diesel

Fluide

PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---------------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Numéro d'échant. | | Client Info | | PC0077644 | PC0073316 | PC0064974 |
| Date d'échant. | | Client Info | | 25 Jul 2023 | 16 Jul 2023 | 07 Dec 2022 |
| Âge d la Machine | hrs | Client Info | | 17095 | 124241 | 14729 |
| 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 | N/A | N/A |
| Filtre changé | | Client Info | | N/A | N/A | N/A |
| Statut de l'échant. | | | | NORMAL | NORMAL | NORMAL |

USURE

All component wear rates are normal.

| | | | | | | |
|-----------|-----|---------------|------|--------------|----|----|
| Fer | ppm | ASTM D5185(m) | >100 | 14 | 7 | 4 |
| Chrome | ppm | ASTM D5185(m) | >20 | <1 | <1 | 0 |
| Nickel | ppm | ASTM D5185(m) | >4 | 0 | 0 | 0 |
| Titane | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Argent | ppm | ASTM D5185(m) | >3 | 0 | 0 | 0 |
| Aluminium | ppm | ASTM D5185(m) | >20 | 2 | 2 | 2 |
| Plomb | ppm | ASTM D5185(m) | >40 | 5 | 0 | <1 |
| Cuivre | ppm | ASTM D5185(m) | >330 | <1 | <1 | <1 |
| Étain | ppm | ASTM D5185(m) | >15 | <1 | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

CONTAMINATION

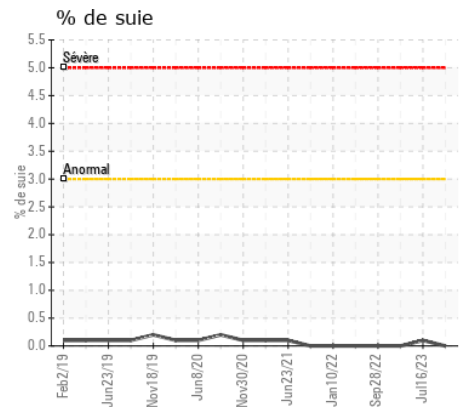
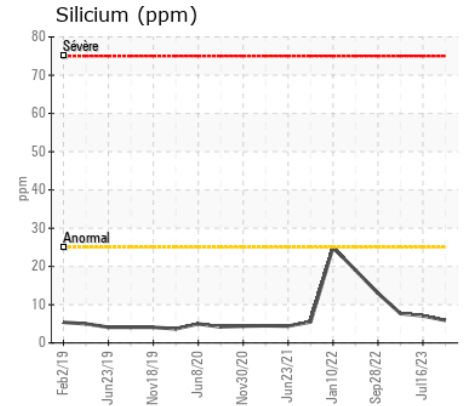
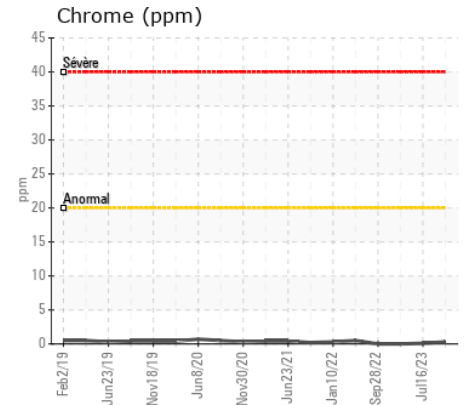
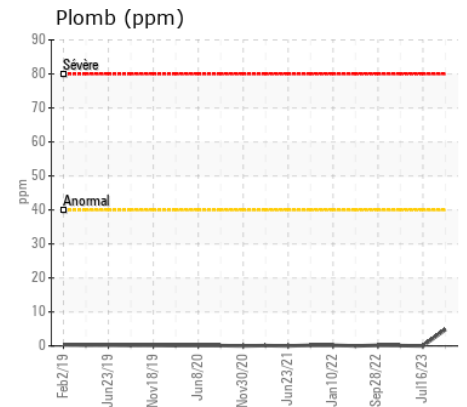
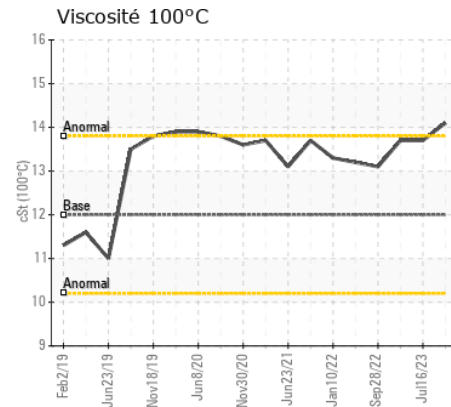
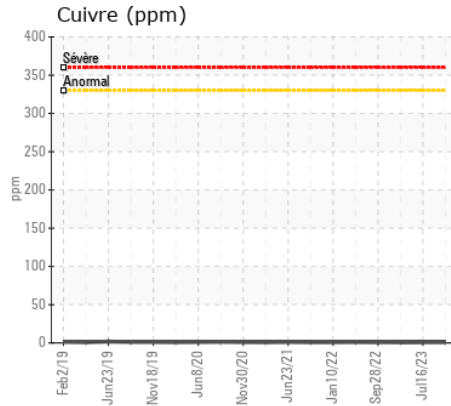
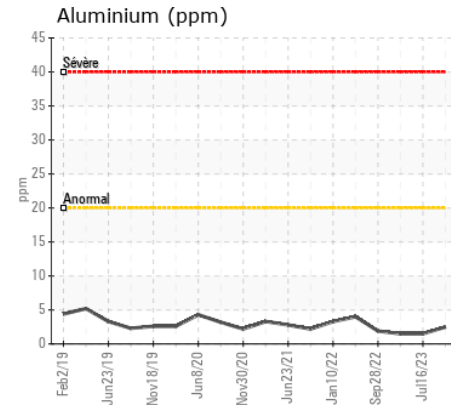
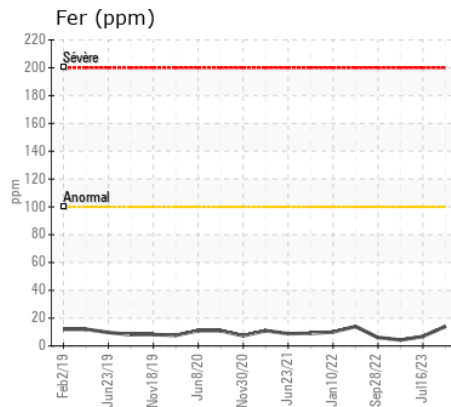
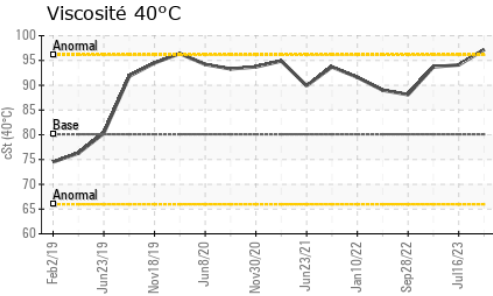
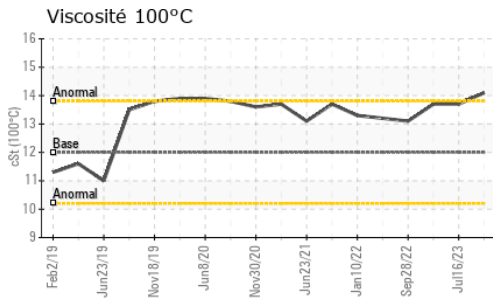
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

| | | | | | | |
|----------------|----------|---------------|------|----------------|------|------|
| Silicium | ppm | ASTM D5185(m) | >25 | 6 | 7 | 8 |
| Potassium | ppm | ASTM D5185(m) | >20 | 7 | 1 | 0 |
| Essence | | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| Glycol | | WC Method | | NEG | NEG | NEG |
| % de suie | % | ASTM D7844* | >3 | 0 | 0.1 | 0 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 10.5 | 8.2 | 7.6 |
| Sulfatation | Abs/.1mm | ASTM D7415* | >30 | 23.6 | 18.6 | 19.9 |
| Eau émulsifiée | scalar | Visual* | >0.2 | NEG | NEG | NEG |

ÉTAT DU FLUIDE

The condition of the oil is acceptable for the time in service.

| | | | | | | |
|--------------------------|----------|---------------|-------|--------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 4 | 2 | 1 |
| Bore | ppm | ASTM D5185(m) | 2 | 2 | 2 | 1 |
| Baryum | ppm | ASTM D5185(m) | 0 | 0 | 0 | 0 |
| Molybdène | ppm | ASTM D5185(m) | 50 | 62 | 58 | 58 |
| Manganèse | ppm | ASTM D5185(m) | 0 | <1 | <1 | <1 |
| Magnésium | ppm | ASTM D5185(m) | 950 | 1055 | 970 | 959 |
| Calcium | ppm | ASTM D5185(m) | 1050 | 1211 | 1062 | 1151 |
| Phosphore | ppm | ASTM D5185(m) | 995 | 1154 | 1060 | 1084 |
| Zinc | ppm | ASTM D5185(m) | 1180 | 1308 | 1169 | 1199 |
| Soufre | ppm | ASTM D5185(m) | 2600 | 2670 | 2615 | 2717 |
| Oxydation | Abs/.1mm | ASTM D7414* | >25 | 20.9 | 14.9 | 15.2 |
| Visc 40°C | cSt | ASTM D7279(m) | 80.1 | 97.2 | 94.1 | 93.7 |
| Visc 100°C | cSt | ASTM D7279(m) | 12.00 | 14.1 | 13.7 | 13.7 |
| Indice de viscosité (VI) | Scale | ASTM D2270* | 144 | 148 | 147 | 148 |



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUVILLE INC.**
N° d'échantillon : PC0077644 **Reçu** : 26 Jul 2023
N° de laboratoire : 02572161 **Diagnostiqué** : 27 Jul 2023
Numéro unique : 5617212 **Diagnostiqueur** : Wes Davis
Analyse : MOB 1 (Additional Tests: KV40, VI)

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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