



RAPPORT D'ANALYSE D'HUILE

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

Identité de la machine

285

Composant

Moteur diesel

Fluid

PETRO CANADA DURON SHP 10W30 (40 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---------------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Numéro d'échant. | | Client Info | | WC0879663 | WC0820374 | AP101065 |
| Date d'échant. | | Client Info | | 15 Jan 2024 | 25 May 2023 | 30 May 2016 |
| Âge d la Machine | kms | Client Info | | 753827 | 711557 | 96932 |
| Âge de l'huile | kms | Client Info | | 36425 | 32014 | 0 |
| Âge du filtre | kms | Client Info | | 36425 | 32014 | 0 |
| Huile changée | | Client Info | | Changed | Changed | Changed |
| Filtre changé | | Client Info | | Changed | Changed | Changed |
| Statut de l'échant. | | | | NORMAL | NORMAL | NORMAL |

USURE

All component wear rates are normal.

| | | | | | | |
|-----------|-----|---------------|------|--------------|----|----|
| Fer | ppm | ASTM D5185(m) | >165 | 49 | 43 | 31 |
| Chrome | ppm | ASTM D5185(m) | >5 | 1 | <1 | 4 |
| Nickel | ppm | ASTM D5185(m) | >4 | <1 | 0 | <1 |
| Titane | ppm | ASTM D5185(m) | >2 | 0 | <1 | <1 |
| Argent | ppm | ASTM D5185(m) | >2 | 0 | 0 | <1 |
| Aluminium | ppm | ASTM D5185(m) | >20 | 5 | 5 | 18 |
| Plomb | ppm | ASTM D5185(m) | >150 | 3 | 2 | 2 |
| Cuivre | ppm | ASTM D5185(m) | >90 | 2 | 1 | 3 |
| Étain | ppm | ASTM D5185(m) | >5 | 0 | <1 | 1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

CONTAMINATION

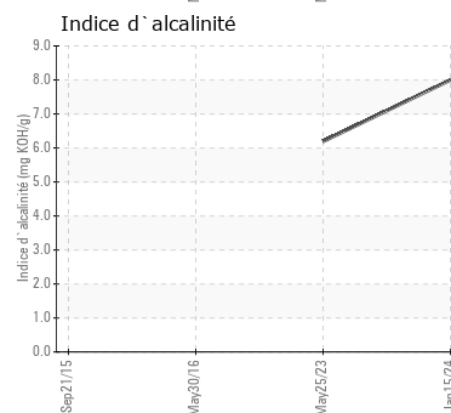
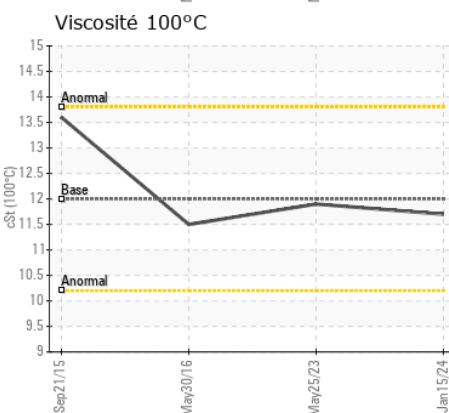
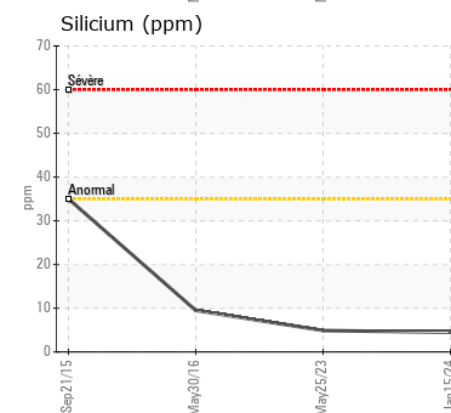
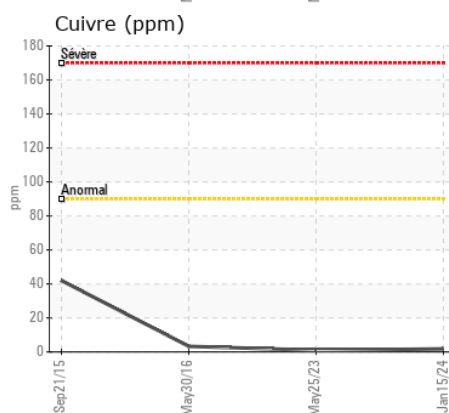
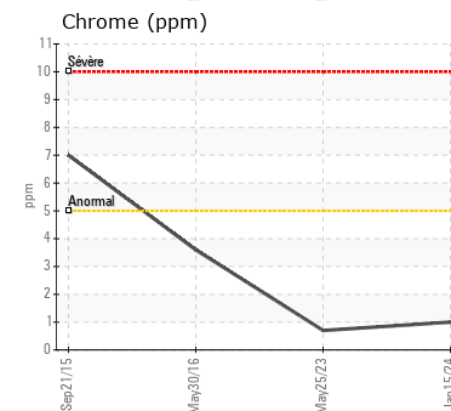
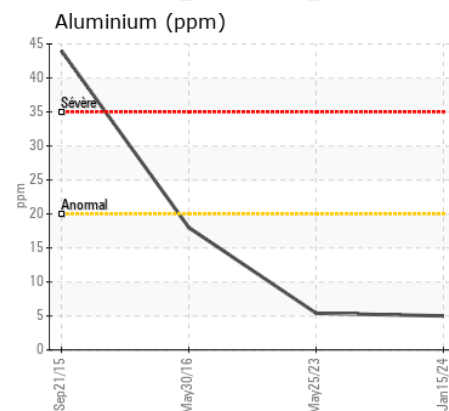
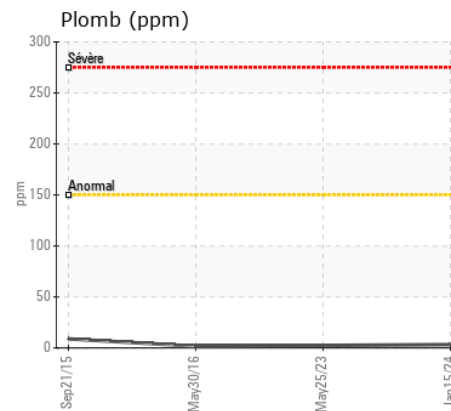
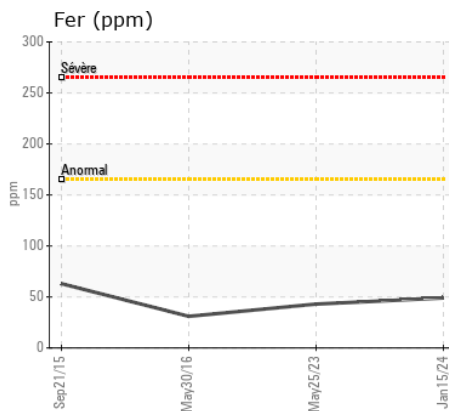
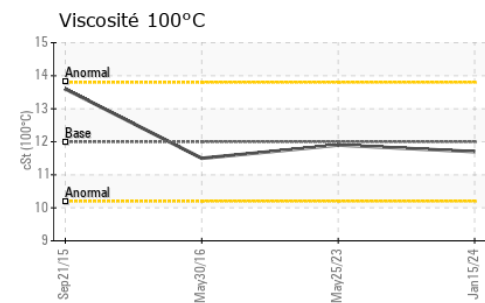
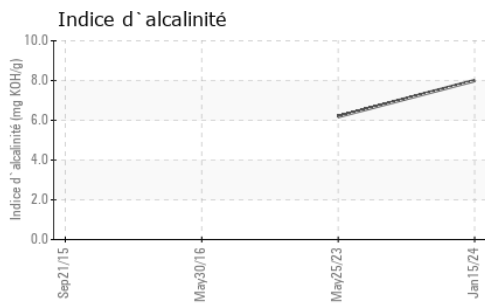
There is no indication of any contamination in the oil.

| | | | | | | |
|----------------|----------|---------------|------|----------------|------|------|
| Silicium | ppm | ASTM D5185(m) | >35 | 4 | 5 | 10 |
| Potassium | ppm | ASTM D5185(m) | >20 | 3 | 4 | 31 |
| Essence | | WC Method | >3.0 | <1.0 | <1.0 | <1.0 |
| L'eau | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | 0.0 |
| % de suie | % | ASTM D7844* | >7.5 | 0.8 | 0.6 | 0.5 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 12.3 | 10.6 | 10.6 |
| Sulfatation | Abs/.1mm | ASTM D7415* | >30 | 23.9 | 23.7 | 25.2 |
| Eau émulsifiée | scalar | Visual* | >0.2 | NEG | NEG | NEG |

ÉTAT DU FLUIDE

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

| | | | | | | |
|---------------------|----------|---------------|-------|-------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 3 | 6 | 5 |
| Bore | ppm | ASTM D5185(m) | 2 | 6 | 26 | 17 |
| Baryum | ppm | ASTM D5185(m) | 0 | 0 | 0 | <1 |
| Molybdène | ppm | ASTM D5185(m) | 50 | 63 | 41 | 44 |
| Manganèse | ppm | ASTM D5185(m) | 0 | 0 | <1 | <1 |
| Magnésium | ppm | ASTM D5185(m) | 950 | 1001 | 255 | 1064 |
| Calcium | ppm | ASTM D5185(m) | 1050 | 1130 | 2188 | 1153 |
| Phosphore | ppm | ASTM D5185(m) | 995 | 1071 | 1135 | 1072 |
| Zinc | ppm | ASTM D5185(m) | 1180 | 1253 | 1236 | 1337 |
| Soufre | ppm | ASTM D5185(m) | 2600 | 2725 | 3015 | 2856 |
| Oxydation | Abs/.1mm | ASTM D7414* | >25 | 20.2 | 18.2 | 17.8 |
| Indice d'alcalinité | mg KOH/g | ASTM D2896* | | 8.00 | 6.19 | --- |
| Visc 100°C | cSt | ASTM D7279(m) | 12.00 | 11.7 | 11.9 | 11.5 |



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0879663
N° de laboratoire : 02621290
Numéro unique : 5746409
Analyse : MOB 2
Reçu : 12 Mar 2024
Tested : 13 Mar 2024
Diagnostiqué : 13 Mar 2024 - Wes Davis

Moncton - Transport Laberge
 180 Edinburg Drive, Suite 1A
 Moncton, NB
 CA E1E 2K7
 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: