



# RAPPORT D'ANALYSE D'HUILE

|                |               |
|----------------|---------------|
| USURE          | <b>NORMAL</b> |
| CONTAMINATION  | <b>NORMAL</b> |
| ÉTAT DU FLUIDE | <b>NORMAL</b> |

Secteur

**52000 series**

Identité de la machine

**Navistar 52701**

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 |           | <b>WC0877574</b>   | WC0836021   | WC0786005   |
| Date d'échant.      |     | Client Info |           | <b>24 Nov 2023</b> | 08 Sep 2023 | 09 Apr 2023 |
| Âge d la Machine    | mls | Client Info |           | <b>25196</b>       | 570332      | 598087      |
| Âge de l'huile      | mls | Client Info |           | <b>25196</b>       | 22265       | 25227       |
| Âge du filtre       | mls | Client Info |           | <b>25196</b>       | 22265       | 25227       |
| Huile changée       |     | Client Info |           | <b>Changed</b>     | Changed     | Changed     |
| Filtre changé       |     | Client Info |           | <b>Changed</b>     | Changed     | Changed     |
| Statut de l'échant. |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

## USURE

Metal levels are typical for a new component breaking in.

|           |     |               |      |              |    |    |
|-----------|-----|---------------|------|--------------|----|----|
| Fer       | ppm | ASTM D5185(m) | >165 | <b>17</b>    | 27 | 26 |
| Chrome    | ppm | ASTM D5185(m) | >5   | <b>&lt;1</b> | 1  | 1  |
| Nickel    | ppm | ASTM D5185(m) | >4   | <b>&lt;1</b> | 0  | 0  |
| Titane    | ppm | ASTM D5185(m) | >2   | <b>0</b>     | 0  | <1 |
| Argent    | ppm | ASTM D5185(m) | >2   | <b>&lt;1</b> | 0  | 0  |
| Aluminium | ppm | ASTM D5185(m) | >20  | <b>3</b>     | 4  | 4  |
| Plomb     | ppm | ASTM D5185(m) | >150 | <b>4</b>     | 5  | 3  |
| Cuivre    | ppm | ASTM D5185(m) | >90  | <b>&lt;1</b> | 1  | 1  |
| Étain     | ppm | ASTM D5185(m) | >5   | <b>&lt;1</b> | <1 | <1 |
| Vanadium  | ppm | ASTM D5185(m) |      | <b>0</b>     | 0  | 0  |

## CONTAMINATION

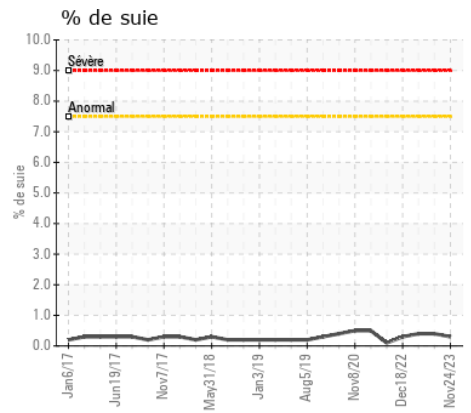
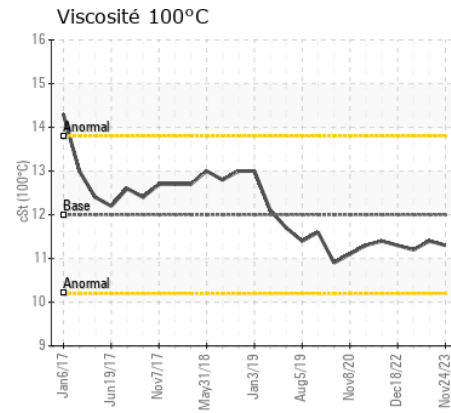
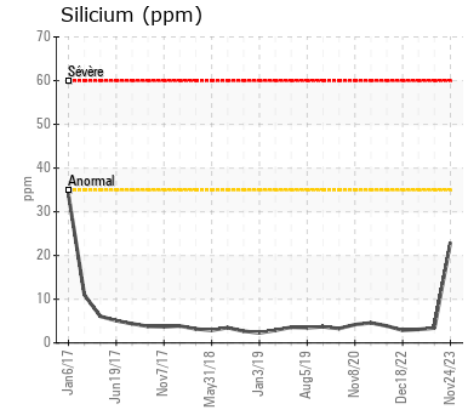
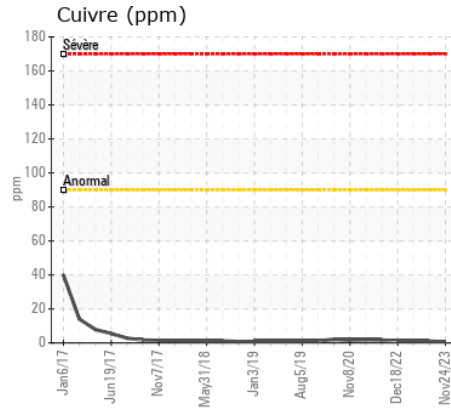
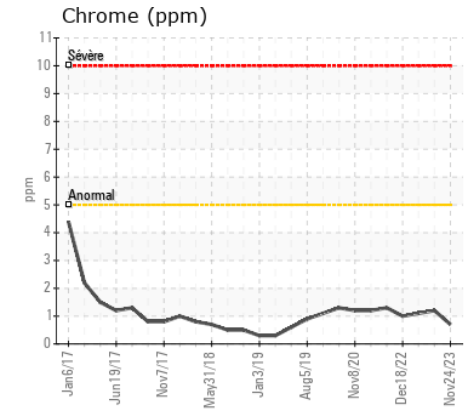
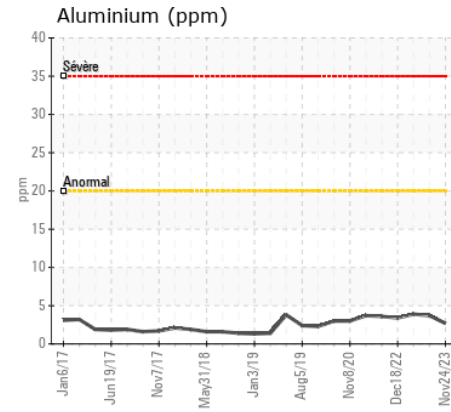
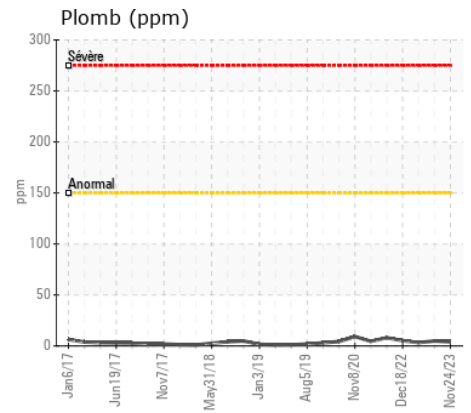
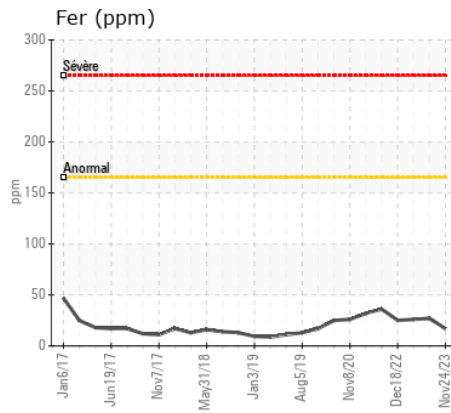
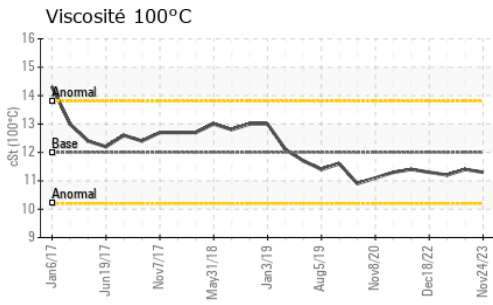
There is no indication of any contamination in the oil.

|                |          |               |      |                |      |      |
|----------------|----------|---------------|------|----------------|------|------|
| Silicium       | ppm      | ASTM D5185(m) | >35  | <b>23</b>      | 3    | 3    |
| Potassium      | ppm      | ASTM D5185(m) | >20  | <b>&lt;1</b>   | <1   | <1   |
| Essence        |          | WC Method     | >3.0 | <b>&lt;1.0</b> | <1.0 | <1.0 |
| L'eau          |          | WC Method     | >0.2 | <b>NEG</b>     | NEG  | NEG  |
| Glycol         |          | WC Method     |      | <b>NEG</b>     | NEG  | NEG  |
| % de suie      | %        | ASTM D7844*   | >7.5 | <b>0.3</b>     | 0.4  | 0.4  |
| Nitration      | Abs/cm   | ASTM D7624*   | >20  | <b>9.0</b>     | 10.3 | 10.4 |
| Sulfatation    | Abs/.1mm | ASTM D7415*   | >30  | <b>20.4</b>    | 21.4 | 24.2 |
| Eau émulsifiée | scalar   | Visual*       | >0.2 | <b>NEG</b>     | NEG  | NEG  |

## ÉTAT DU FLUIDE

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

|            |          |               |       |              |      |      |
|------------|----------|---------------|-------|--------------|------|------|
| Sodium     | ppm      | ASTM D5185(m) |       | <b>2</b>     | 2    | 2    |
| Bore       | ppm      | ASTM D5185(m) | 2     | <b>2</b>     | 3    | 3    |
| Baryum     | ppm      | ASTM D5185(m) | 0     | <b>&lt;1</b> | 0    | 0    |
| Molybdène  | ppm      | ASTM D5185(m) | 50    | <b>61</b>    | 64   | 65   |
| Manganèse  | ppm      | ASTM D5185(m) | 0     | <b>0</b>     | <1   | <1   |
| Magnésium  | ppm      | ASTM D5185(m) | 950   | <b>993</b>   | 1050 | 1025 |
| Calcium    | ppm      | ASTM D5185(m) | 1050  | <b>1143</b>  | 1115 | 1162 |
| Phosphore  | ppm      | ASTM D5185(m) | 995   | <b>1022</b>  | 1130 | 1150 |
| Zinc       | ppm      | ASTM D5185(m) | 1180  | <b>1247</b>  | 1293 | 1259 |
| Soufre     | ppm      | ASTM D5185(m) | 2600  | <b>2580</b>  | 2547 | 2643 |
| Oxydation  | Abs/.1mm | ASTM D7414*   | >25   | <b>16.5</b>  | 17.7 | 18.2 |
| Visc 100°C | cSt      | ASTM D7279(m) | 12.00 | <b>11.3</b>  | 11.4 | 11.2 |



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0877574  
**N° de laboratoire** : 02604053  
**Numéro unique** : 5697138  
**Analyse** : MOB 1

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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.