



RAPPORT D'ANALYSE D'HUILE

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

Secteur

3000 series

Identité de la machine

Navistar 3288

Composant

Moteur diesel

Fluid

PETRO CANADA DURON SHP 10W30 (26 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---------------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Numéro d'échant. | | Client Info | | WC0889972 | WC0857928 | WC0836036 |
| Date d'échant. | | Client Info | | 20 Dec 2023 | 24 Oct 2023 | 06 Sep 2023 |
| Âge d la Machine | mls | Client Info | | 512334 | 15593 | 479960 |
| Âge de l'huile | mls | Client Info | | 16838 | 15593 | 22581 |
| Âge du filtre | mls | Client Info | | 16838 | 15593 | 22581 |
| Huile changée | | Client Info | | Changed | Changed | Changed |
| Filtre changé | | Client Info | | Changed | Changed | Changed |
| Statut de l'échant. | | | | NORMAL | NORMAL | ATTENTION |

USURE

All component wear rates are normal.

| | | | | | | |
|-----------|-----|---------------|------|--------------|----|----|
| Fer | ppm | ASTM D5185(m) | >75 | 23 | 19 | 46 |
| Chrome | ppm | ASTM D5185(m) | >5 | 2 | <1 | 1 |
| Nickel | ppm | ASTM D5185(m) | >4 | <1 | 0 | <1 |
| Titane | ppm | ASTM D5185(m) | >2 | 0 | 0 | 0 |
| Argent | ppm | ASTM D5185(m) | >2 | <1 | <1 | <1 |
| Aluminium | ppm | ASTM D5185(m) | >15 | 9 | 6 | 12 |
| Plomb | ppm | ASTM D5185(m) | >25 | 2 | <1 | 3 |
| Cuivre | ppm | ASTM D5185(m) | >100 | 4 | 1 | 3 |
| Étain | ppm | ASTM D5185(m) | >4 | 2 | 0 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

CONTAMINATION

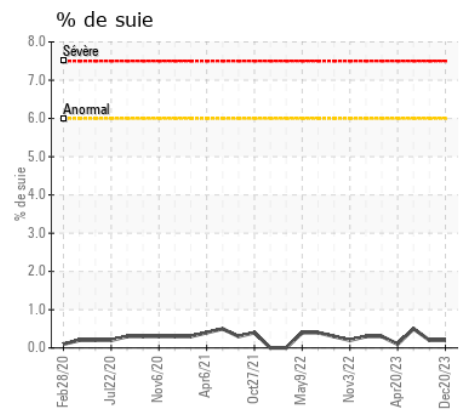
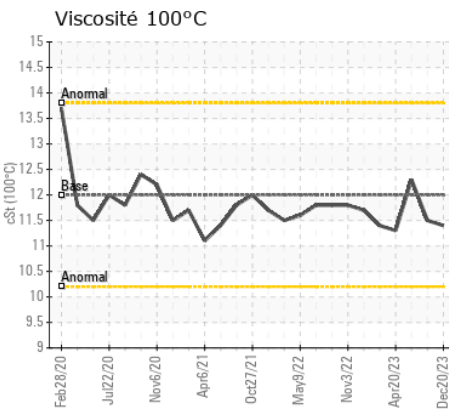
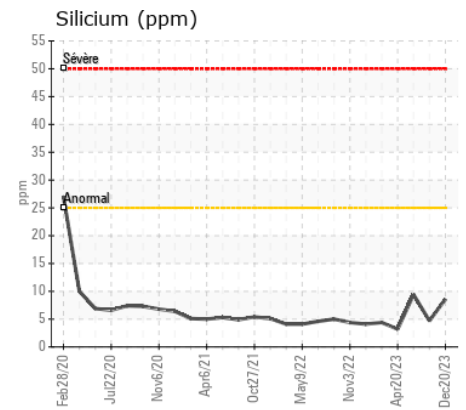
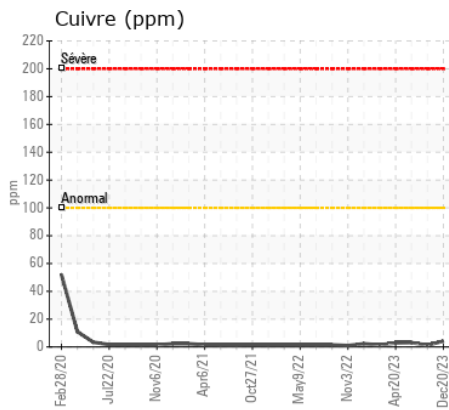
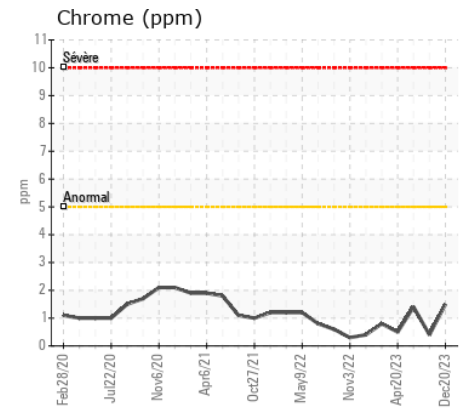
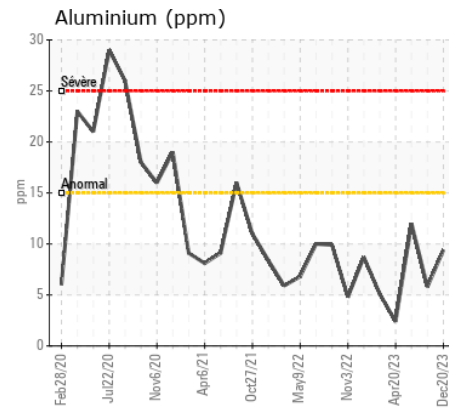
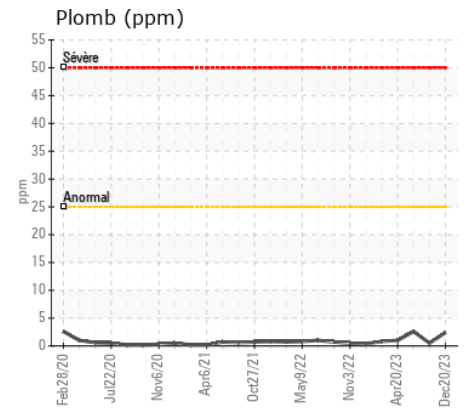
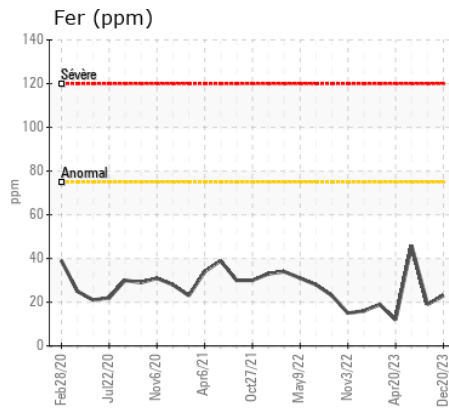
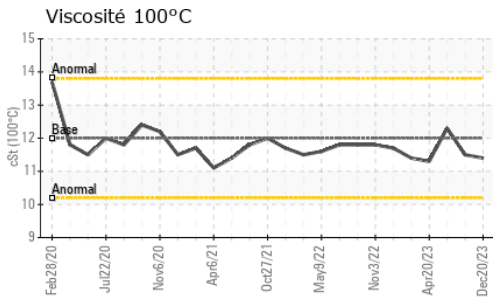
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

| | | | | | | |
|----------------|----------|---------------|------|----------------|------|------|
| Silicium | ppm | ASTM D5185(m) | >25 | 9 | 5 | 9 |
| Potassium | ppm | ASTM D5185(m) | >20 | 20 | 25 | 64 |
| Essence | | WC Method | >3.0 | <1.0 | <1.0 | <1.0 |
| L'eau | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | 0.0 | 0.0 |
| % de suie | % | ASTM D7844* | >6 | 0.2 | 0.2 | 0.5 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 8.4 | 8.6 | 13.7 |
| Sulfatation | Abs/.1mm | ASTM D7415* | >30 | 19.8 | 19.3 | 24.0 |
| 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) | | 2 | 35 | ▲ 175 |
| Bore | ppm | ASTM D5185(m) | 2 | 4 | 2 | 6 |
| Baryum | ppm | ASTM D5185(m) | 0 | 0 | 0 | <1 |
| Molybdène | ppm | ASTM D5185(m) | 50 | 59 | 60 | 70 |
| Manganèse | ppm | ASTM D5185(m) | 0 | <1 | 0 | <1 |
| Magnésium | ppm | ASTM D5185(m) | 950 | 923 | 947 | 980 |
| Calcium | ppm | ASTM D5185(m) | 1050 | 1196 | 1085 | 1110 |
| Phosphore | ppm | ASTM D5185(m) | 995 | 984 | 976 | 991 |
| Zinc | ppm | ASTM D5185(m) | 1180 | 1188 | 1186 | 1261 |
| Soufre | ppm | ASTM D5185(m) | 2600 | 2689 | 2483 | 2419 |
| Oxydation | Abs/.1mm | ASTM D7414* | >25 | 15.5 | 15.4 | 23.0 |
| Visc 100°C | cSt | ASTM D7279(m) | 12.00 | 11.4 | 11.5 | 12.3 |



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0889972
N° de laboratoire : 02610228
Numéro unique : 5711314
Analyse : MOB 1

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Reçu : 22 Jan 2024
 Diagnostiqué : 23 Jan 2024
 Diagnostiqueur : Wes Davis

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.