



| | |
|-----------------|---------------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Machine Id
8048
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON HP 15W40 (37 LTR)

RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | PC0079644 | PC0063594 | PC0041678 |
| Sample Date | | Client Info | | 08 Dec 2023 | 02 Sep 2022 | 31 Aug 2021 |
| Machine Age | kms | Client Info | | 704966 | 0 | 0 |
| Oil Age | kms | Client Info | | 90666 | 62455 | 96084 |
| Filter Age | kms | Client Info | | 90666 | 62455 | 96084 |
| Oil Changed | | Client Info | | Changed | Changed | Changed |
| Filter Changed | | Client Info | | Changed | Changed | Changed |
| Sample Status | | | | NORMAL | NORMAL | ABNORMAL |

WEAR

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

| | | | | | | |
|----------|-----|---------------|------|--------------|----|-----|
| Iron | ppm | ASTM D5185(m) | >100 | 23 | 49 | 95 |
| Chromium | ppm | ASTM D5185(m) | >20 | <1 | 1 | 2 |
| Nickel | ppm | ASTM D5185(m) | >2 | 1 | 2 | ▲ 4 |
| Titanium | ppm | ASTM D5185(m) | | 0 | <1 | 0 |
| Silver | ppm | ASTM D5185(m) | >2 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >25 | 5 | 16 | 14 |
| Lead | ppm | ASTM D5185(m) | >40 | 4 | 4 | 8 |
| Copper | ppm | ASTM D5185(m) | >330 | 2 | 8 | 15 |
| Tin | ppm | ASTM D5185(m) | >15 | <1 | 2 | 2 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

CONTAMINATION

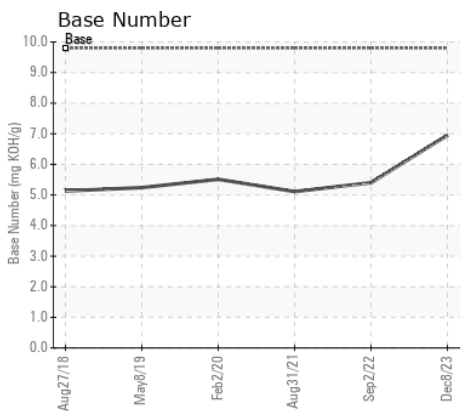
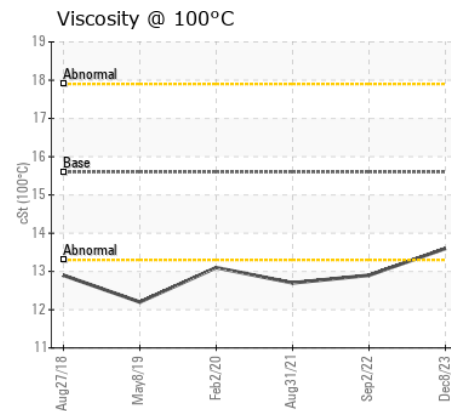
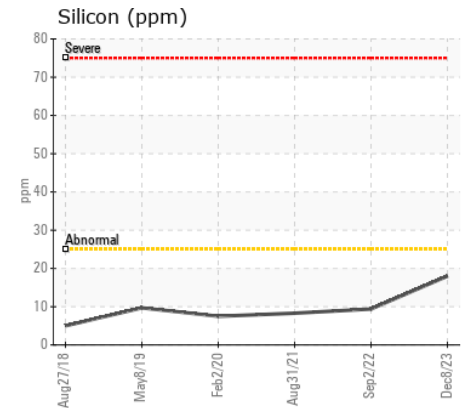
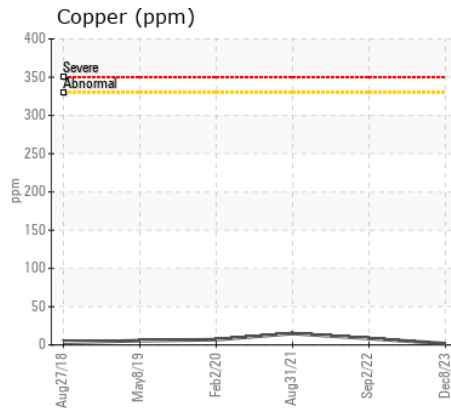
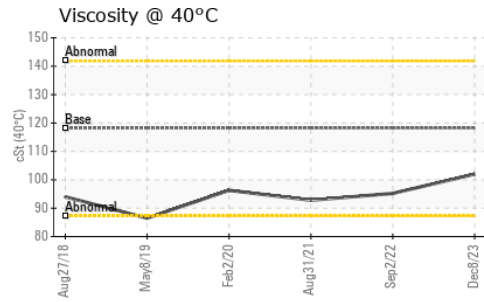
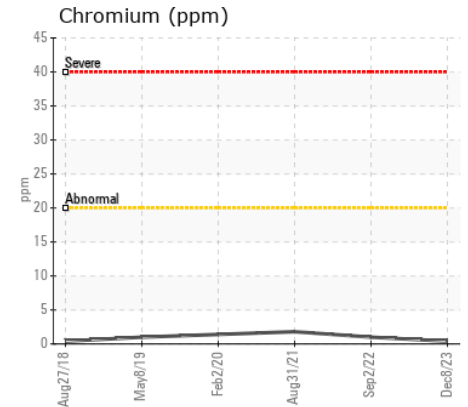
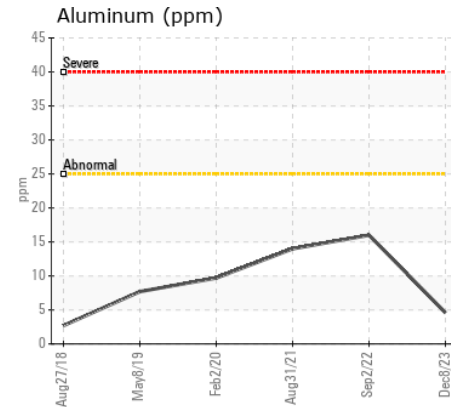
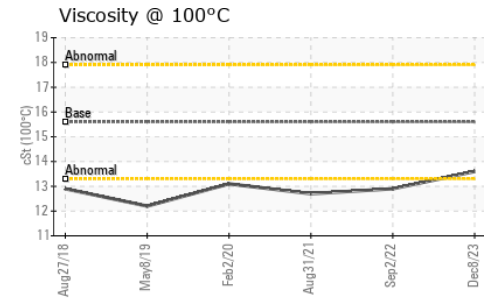
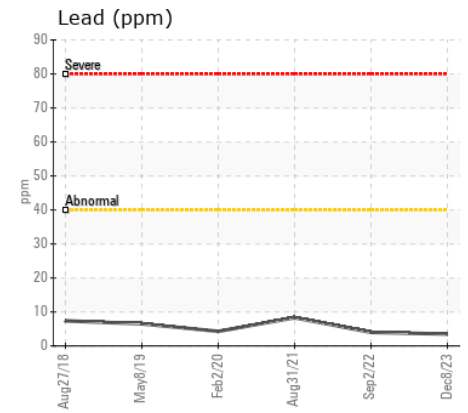
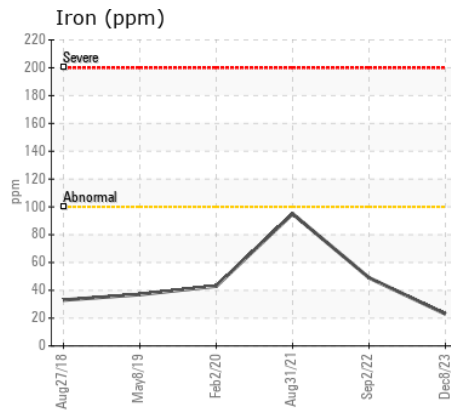
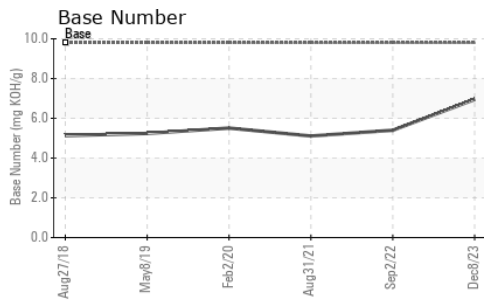
Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|------------------|----------|---------------|------|----------------|------|------|
| Silicon | ppm | ASTM D5185(m) | >25 | 18 | 9 | 8 |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | 1 | 3 |
| Fuel | | WC Method | >6.0 | <1.0 | <1.0 | <1.0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| Soot % | % | ASTM D7844* | >3 | 0.5 | 0.8 | 1.2 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 10.1 | 12.5 | 13.5 |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 23.8 | 28.0 | 29.5 |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | NEG | NEG |

FLUID CONDITION

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'état de l'huile permet d'en prolonger l'utilisation.

| | | | | | | |
|----------------------|----------|---------------|-------|-------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 8 | 17 | 15 |
| Boron | ppm | ASTM D5185(m) | 0 | 1 | 1 | 2 |
| Barium | ppm | ASTM D5185(m) | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | 60 | 60 | 61 | 59 |
| Manganese | ppm | ASTM D5185(m) | 0 | 0 | 1 | 2 |
| Magnesium | ppm | ASTM D5185(m) | 1010 | 964 | 995 | 998 |
| Calcium | ppm | ASTM D5185(m) | 1070 | 1068 | 1182 | 1199 |
| Phosphorus | ppm | ASTM D5185(m) | 1150 | 978 | 1100 | 1118 |
| Zinc | ppm | ASTM D5185(m) | 1270 | 1184 | 1266 | 1301 |
| Sulfur | ppm | ASTM D5185(m) | 2060 | 2172 | 2161 | 2021 |
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 19.6 | 23.7 | 27.7 |
| Base Number (BN) | mg KOH/g | ASTM D2896* | 9.8 | 6.95 | 5.40 | 5.11 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 118.2 | 102 | 95.2 | 92.8 |
| Visc @ 100°C | cSt | ASTM D7279(m) | 15.6 | 13.6 | 12.9 | 12.7 |
| Viscosity Index (VI) | Scale | ASTM D2270* | 139 | 133 | 132 | 133 |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0079644 **Received** : 28 Dec 2023
Lab Number : 02605522 **Tested** : 29 Dec 2023
Unique Number : 5698607 **Diagnosed** : 29 Dec 2023 - Wes Davis
Test Package : MOB 2 (Additional Tests: KV40, VI)

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.