



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



Machine Id
711032
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX MV 32 (--- GAL)

RECOMMENDATION

Vérifier les scelles et/ou les filtres pour des points d'entrée des contaminants. Le reniflard d'air doit être réparé. S'il n'est pas classé, nous vous recommandons de le remplacer par un reniflard à air adapté au micron et / ou au dessiccant. Si évalué, nous vous recommandons de réparer / remplacer le reniflard. Nous recommandons le remplacement des filtres de ce composant. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | GFL0103719 | GFL0088819 | --- |
| Sample Date | | Client Info | | 24 Feb 2024 | 30 Aug 2023 | --- |
| Machine Age | hrs | Client Info | | 6977 | 97083 | --- |
| Oil Age | hrs | Client Info | | 0 | 0 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | N/A | Not Changd | --- |
| Filter Changed | | Client Info | | N/A | Changed | --- |
| Sample Status | | | | SEVERE | SEVERE | --- |

WEAR

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

| | | | | | | |
|--------------|--------|---------------|------|--------------|-------|-----|
| Iron | ppm | ASTM D5185(m) | >50 | 4 | 8 | --- |
| Chromium | ppm | ASTM D5185(m) | >10 | 0 | <1 | --- |
| Nickel | ppm | ASTM D5185(m) | >4 | 0 | 0 | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| Silver | ppm | ASTM D5185(m) | | 0 | <1 | --- |
| Aluminum | ppm | ASTM D5185(m) | >5 | <1 | 1 | --- |
| Lead | ppm | ASTM D5185(m) | >4 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185(m) | >15 | <1 | 1 | --- |
| Tin | ppm | ASTM D5185(m) | >4 | 0 | 0 | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| White Metal | scalar | Visual* | NONE | NONE | VLITE | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | --- |

CONTAMINATION

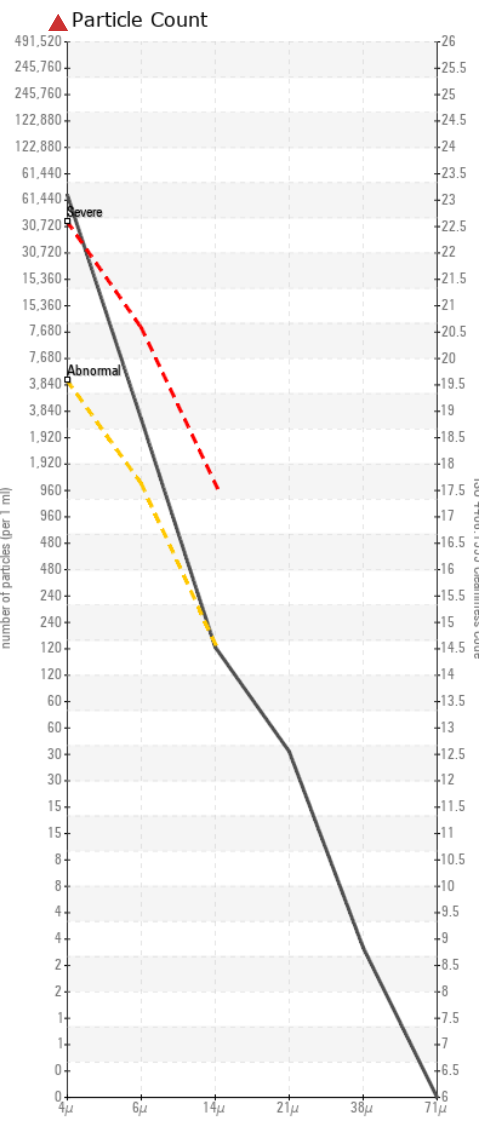
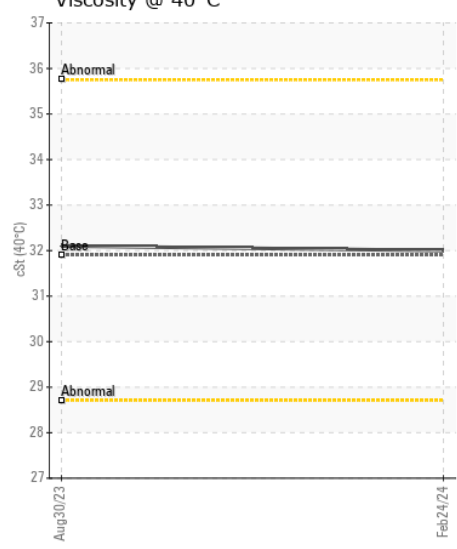
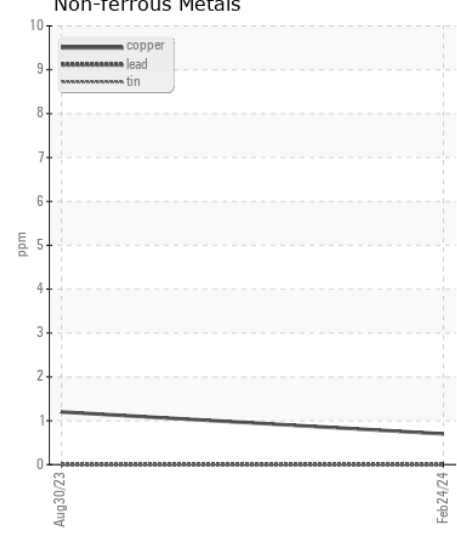
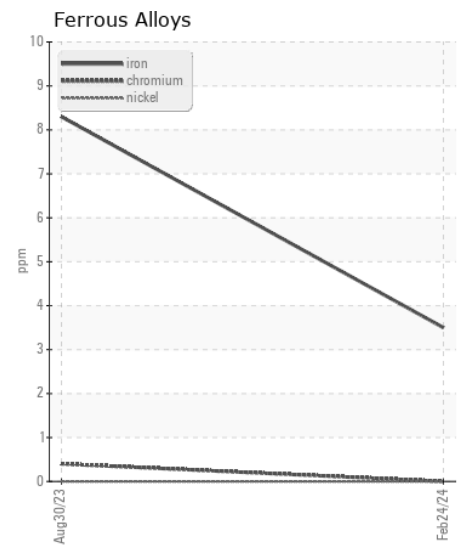
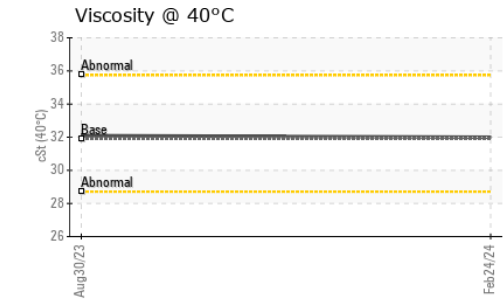
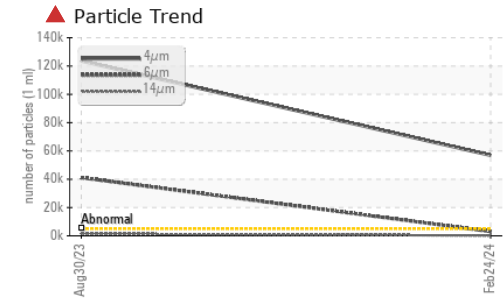
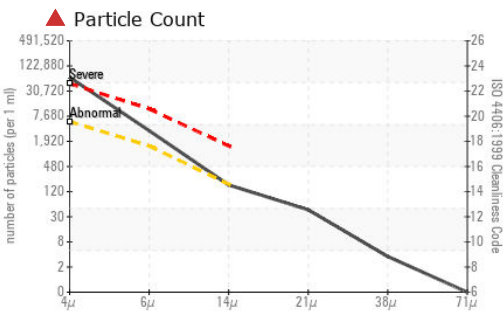
Il y a une grande quantité de limon (particules de 4 à 14 microns) dans l'huile.

| | | | | | | |
|------------------|--------|---------------|-----------|-------------------|------------|-----|
| Silicon | ppm | ASTM D5185(m) | >15 | 1 | 3 | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 1 | 1 | --- |
| Water | | WC Method | >0.1 | NEG | NEG | --- |
| Particles >4µm | | ASTM D7647 | >5000 | ▲ 56873 | ▲ 123578 | --- |
| Particles >6µm | | ASTM D7647 | >1300 | ▲ 3025 | ▲ 41104 | --- |
| Particles >14µm | | ASTM D7647 | >160 | 153 | ▲ 1482 | --- |
| Particles >21µm | | ASTM D7647 | >40 | 39 | ▲ 298 | --- |
| Particles >38µm | | ASTM D7647 | >10 | 3 | 6 | --- |
| Particles >71µm | | ASTM D7647 | >3 | 0 | 0 | --- |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | ▲ 23/19/14 | ▲ 24/23/18 | --- |
| Silt | scalar | Visual* | NONE | NONE | VLITE | --- |
| Debris | scalar | Visual* | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | Visual* | NONE | NONE | NONE | --- |
| Appearance | scalar | Visual* | NORML | NORML | NORML | --- |
| Odor | scalar | Visual* | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | Visual* | >0.1 | NEG | NEG | --- |

FLUID CONDITION

L'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

| | | | | | | |
|-------------|-----|---------------|------|--------------|------|-----|
| Sodium | ppm | ASTM D5185(m) | | 4 | 7 | --- |
| Boron | ppm | ASTM D5185(m) | 0 | 0 | <1 | --- |
| Barium | ppm | ASTM D5185(m) | 0 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185(m) | 0 | <1 | <1 | --- |
| Manganese | ppm | ASTM D5185(m) | 1 | 0 | 0 | --- |
| Magnesium | ppm | ASTM D5185(m) | 0 | 16 | 10 | --- |
| Calcium | ppm | ASTM D5185(m) | 50 | 69 | 64 | --- |
| Phosphorus | ppm | ASTM D5185(m) | 330 | 340 | 367 | --- |
| Zinc | ppm | ASTM D5185(m) | 430 | 423 | 430 | --- |
| Sulfur | ppm | ASTM D5185(m) | 760 | 807 | 772 | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | 31.9 | 32.0 | 32.1 | --- |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0103719
Lab Number : 02618674
Unique Number : 5735784
Test Package : MOB 1 (Additional Tests: PrtCount)

GFL Environmental - 780 - GMA - ICI - Solid Waste
 4365 boul. St-Elzear Ouest,
 Laval, QC
 CA H7P 4J3
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 pieces.laval@gflenv.com
 T: (450)687-3838
 F:

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.