



Machine Id
711037
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX MV 32 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vérifier tous les endroits par lesquels des contaminants peuvent pénétrer dans le système. Nous vous recommandons de remplacer le filtre et d'utiliser un système de filtrage hors-ligne afin d'améliorer la propreté du fluide. 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. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation.

WEAR

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

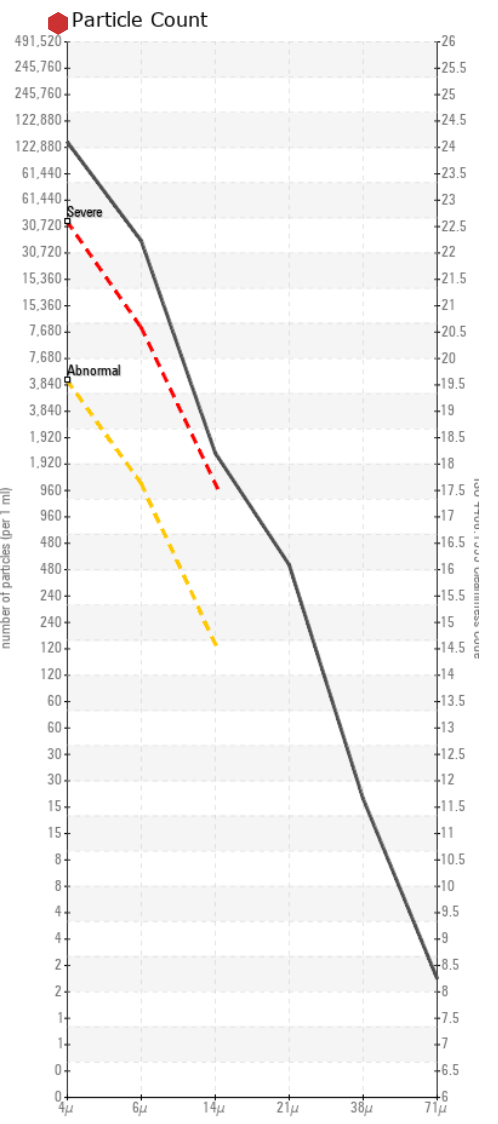
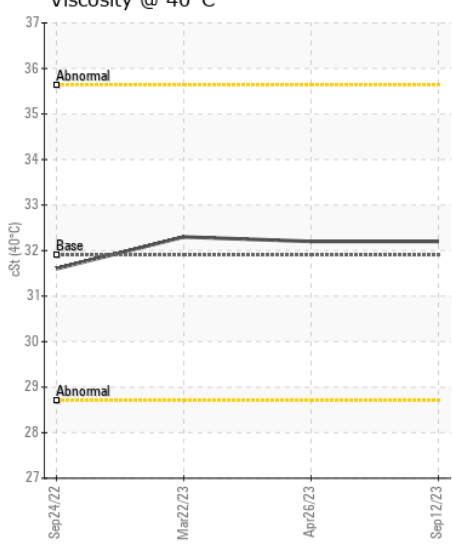
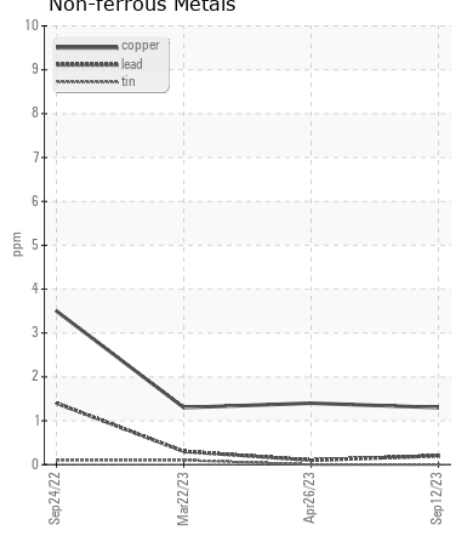
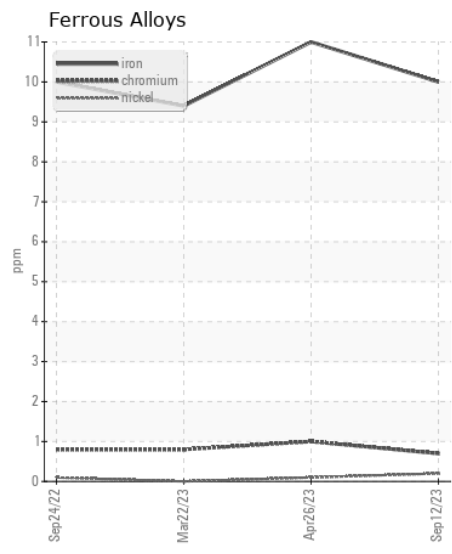
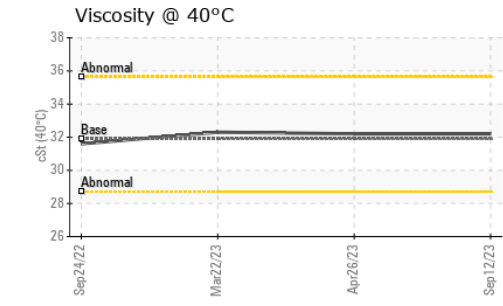
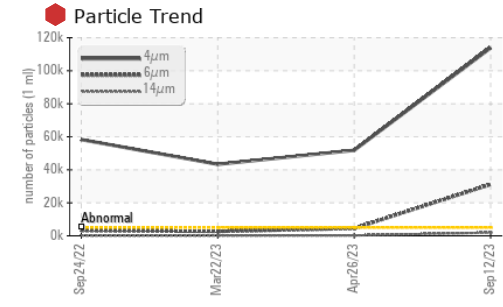
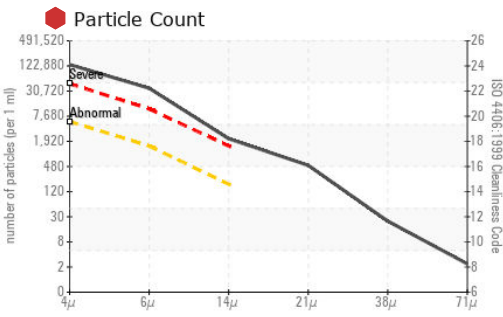
CONTAMINATION

Il y a une quantité élevée de matières particulaires (2 à 100 µm de taille) présente dans l'huile.

FLUID CONDITION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|---------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | GFL0088895 | GFL0073455 | GFL0047556 |
| Sample Date | | Client Info | | 12 Sep 2023 | 26 Apr 2023 | 22 Mar 2023 |
| Machine Age | kms | Client Info | | 79238 | 4177 | 3939 |
| Oil Age | kms | Client Info | | 0 | 1200 | 1200 |
| Filter Age | kms | Client Info | | 0 | 1200 | 1200 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Sample Status | | | | SEVERE | SEVERE | SEVERE |
| Iron | ppm | ASTM D5185(m) | >50 | 10 | 11 | 9 |
| Chromium | ppm | ASTM D5185(m) | >10 | <1 | 1 | <1 |
| Nickel | ppm | ASTM D5185(m) | >4 | <1 | <1 | 0 |
| Titanium | ppm | ASTM D5185(m) | | 0 | <1 | <1 |
| Silver | ppm | ASTM D5185(m) | | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >5 | 1 | 1 | 1 |
| Lead | ppm | ASTM D5185(m) | >4 | <1 | <1 | <1 |
| Copper | ppm | ASTM D5185(m) | >15 | 1 | 1 | 1 |
| Tin | ppm | ASTM D5185(m) | >4 | 0 | 0 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| White Metal | scalar | Visual* | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185(m) | >15 | 4 | 4 | 3 |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | <1 | 2 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Particles >4µm | | ASTM D7647 | >5000 | 113838 | 51798 | 43342 |
| Particles >6µm | | ASTM D7647 | >1300 | 31172 | 4519 | 2673 |
| Particles >14µm | | ASTM D7647 | >160 | 1942 | 217 | 127 |
| Particles >21µm | | ASTM D7647 | >40 | 449 | 49 | 32 |
| Particles >38µm | | ASTM D7647 | >10 | 21 | 1 | 2 |
| Particles >71µm | | ASTM D7647 | >3 | 2 | 0 | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | 24/22/18 | 23/19/15 | 23/19/14 |
| Silt | scalar | Visual* | NONE | NONE | NONE | NONE |
| Debris | scalar | Visual* | NONE | VLITE | NONE | NONE |
| Sand/Dirt | scalar | Visual* | NONE | NONE | NONE | NONE |
| Appearance | scalar | Visual* | NORML | NORML | NORML | NORML |
| Odor | scalar | Visual* | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | Visual* | >0.1 | NEG | NEG | NEG |
| Sodium | ppm | ASTM D5185(m) | | 7 | 11 | 10 |
| Boron | ppm | ASTM D5185(m) | 0 | <1 | <1 | <1 |
| Barium | ppm | ASTM D5185(m) | 0 | <1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | 0 | <1 | 2 | 2 |
| Manganese | ppm | ASTM D5185(m) | 1 | 0 | <1 | <1 |
| Magnesium | ppm | ASTM D5185(m) | 0 | 20 | 31 | 30 |
| Calcium | ppm | ASTM D5185(m) | 50 | 84 | 90 | 87 |
| Phosphorus | ppm | ASTM D5185(m) | 330 | 384 | 378 | 367 |
| Zinc | ppm | ASTM D5185(m) | 430 | 505 | 434 | 421 |
| Sulfur | ppm | ASTM D5185(m) | 760 | 892 | 830 | 812 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 31.9 | 32.2 | 32.2 | 32.3 |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0088895
Lab Number : 02592976
Unique Number : 5670055
Test Package : MOB 1 (Additional Tests: PrtCount)
Received : 31 Oct 2023
Tested : 01 Nov 2023
Diagnosed : 01 Nov 2023 - Wes Davis

GFL Environmental - 747 - GMA - Solid Waste
 4 Chemin du Tremblay,
 Boucherville, QC
 CA J4B 6Z5
 Contact: Steve Voyer
 svoyer@matrec.ca

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.