



Machine Id
FREIGHTLINER 422066

Component
Hydraulic System

Fluid
PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL (--- 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 avons pris note que le filtre a été remplacé au moment de l'échantillonnage. 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 | | GFL0094612 | --- | --- |
| Sample Date | | Client Info | | 07 May 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 4934 | --- | --- |
| Oil Age | hrs | Client Info | | 0 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Not Chngd | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | SEVERE | --- | --- |

WEAR

Le taux de chrome est anormal.

| | | | | | | |
|--------------|--------|---------------|------|--------------|-----|-----|
| Iron | ppm | ASTM D5185(m) | >40 | 31 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | >5 | ▲ 9 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >2 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | >2 | <1 | --- | --- |
| Silver | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | >8 | 3 | --- | --- |
| Lead | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Copper | ppm | ASTM D5185(m) | >20 | <1 | --- | --- |
| Tin | ppm | ASTM D5185(m) | >2 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| White Metal | scalar | Visual* | NONE | NONE | --- | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | --- | --- |

CONTAMINATION

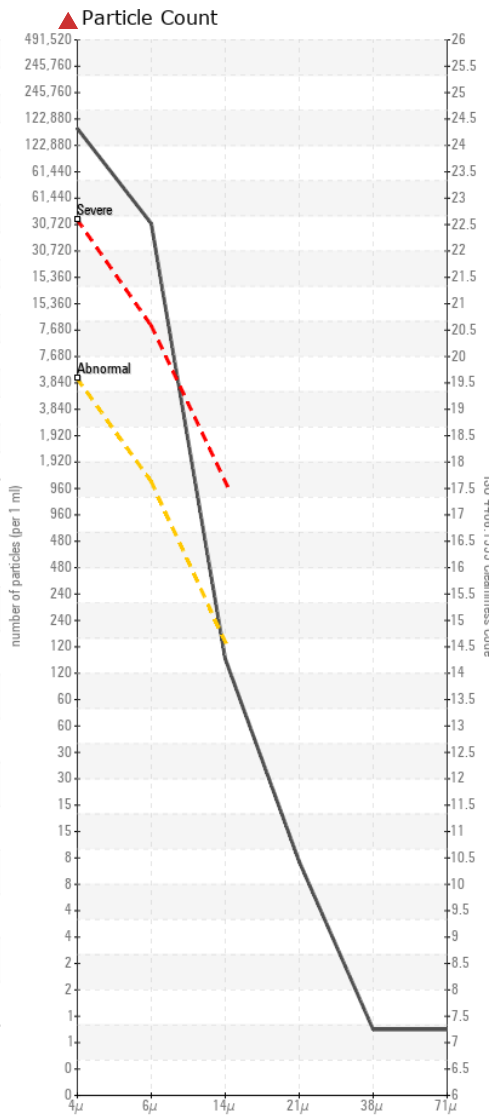
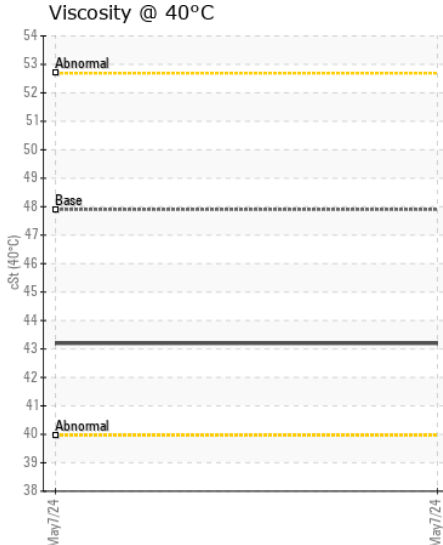
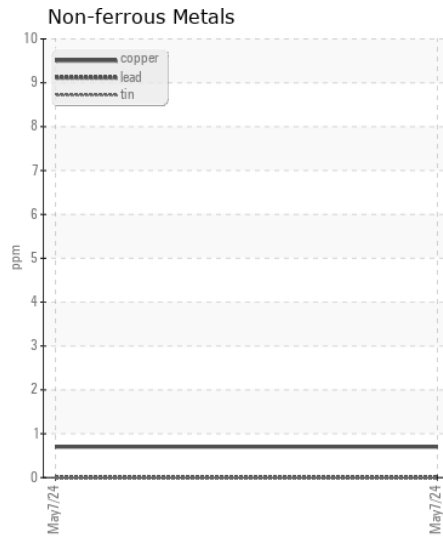
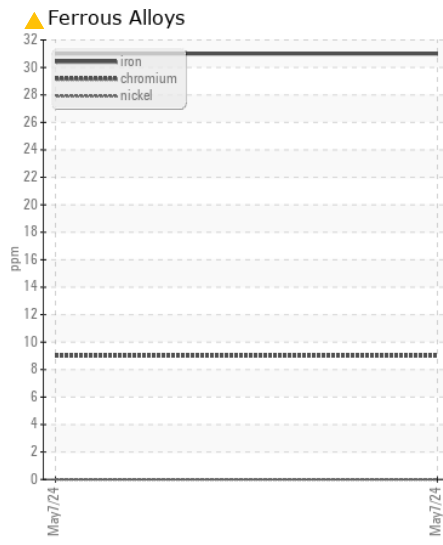
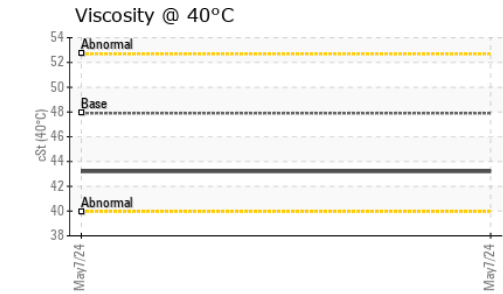
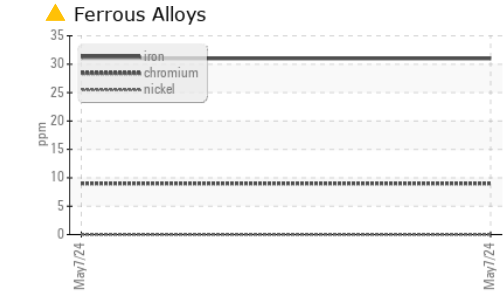
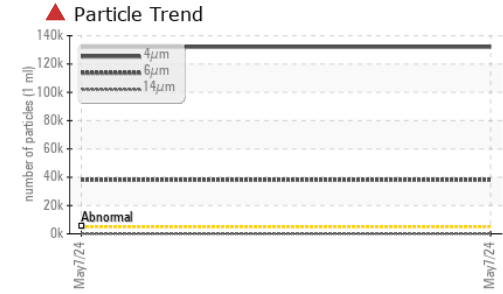
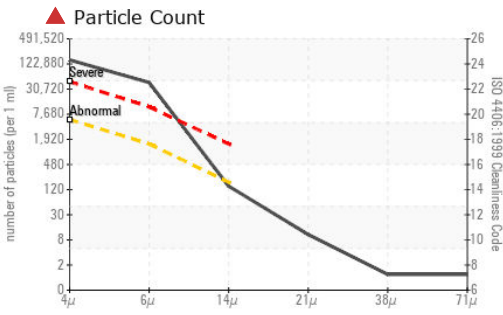
Il y a une grande quantité de limon (particules de 4 à 14 microns) dans l'huile.

| | | | | | | |
|------------------|--------|---------------|-----------|-------------------|-----|-----|
| Silicon | ppm | ASTM D5185(m) | >20 | 8 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 3 | --- | --- |
| Water | | WC Method | >0.1 | NEG | --- | --- |
| Particles >4µm | | ASTM D7647 | >5000 | ▲ 132039 | --- | --- |
| Particles >6µm | | ASTM D7647 | >1300 | ▲ 38122 | --- | --- |
| Particles >14µm | | ASTM D7647 | >160 | 128 | --- | --- |
| Particles >21µm | | ASTM D7647 | >40 | 9 | --- | --- |
| Particles >38µm | | ASTM D7647 | >10 | 1 | --- | --- |
| Particles >71µm | | ASTM D7647 | >3 | 1 | --- | --- |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | ▲ 24/22/14 | --- | --- |
| Silt | scalar | Visual* | NONE | NONE | --- | --- |
| Debris | scalar | Visual* | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | Visual* | NONE | NONE | --- | --- |
| Appearance | scalar | Visual* | NORML | NORML | --- | --- |
| Odor | scalar | Visual* | NORML | NORML | --- | --- |
| Emulsified Water | scalar | Visual* | >0.1 | NEG | --- | --- |

FLUID CONDITION

l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

| | | | | | | |
|-------------|-----|---------------|------|--------------|-----|-----|
| Sodium | ppm | ASTM D5185(m) | | 16 | --- | --- |
| Boron | ppm | ASTM D5185(m) | 0 | 2 | --- | --- |
| Barium | ppm | ASTM D5185(m) | 0 | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | 0 | <1 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | 1 | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | 0 | 24 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | 100 | 200 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | 670 | 566 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | 850 | 736 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | 1600 | 1395 | --- | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | 47.9 | 43.2 | --- | --- |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0094612 **Received** : 10 May 2024
Lab Number : 02634652 **Tested** : 13 May 2024
Unique Number : 5775805 **Diagnosed** : 13 May 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: PrtCount)

GFL Environmental 791MAT - Matane
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 Matane, QC
 CA G4W 0J7
 Contact: B Berube
 bberube@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.