



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>SEVERE</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**701056**  
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 dessicant. Si évalué, nous vous recommandons de réparer / remplacer le reniflard. 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		<b>GFL0114799</b>	GFL0097054	GFL0084433
Sample Date		Client Info		<b>05 Apr 2024</b>	13 Oct 2023	16 Jun 2023
Machine Age	kms	Client Info		<b>13837</b>	131784	117458
Oil Age	kms	Client Info		<b>0</b>	1200	0
Filter Age	kms	Client Info		<b>0</b>	1200	0
Oil Changed		Client Info		<b>Not Changd</b>	N/A	Not Changd
Filter Changed		Client Info		<b>Changed</b>	N/A	Not Changd
Sample Status				<b>SEVERE</b>	SEVERE	SEVERE

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>40	<b>10</b>	7	7
Chromium	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>8	<b>1</b>	1	<1
Lead	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

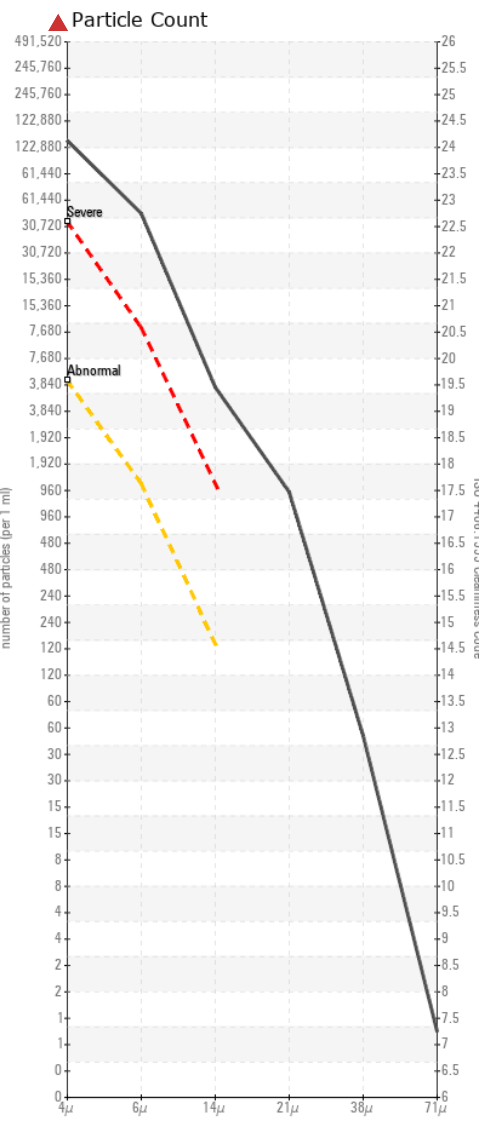
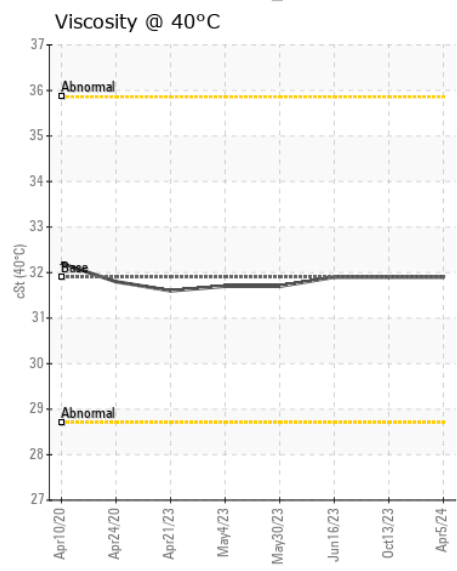
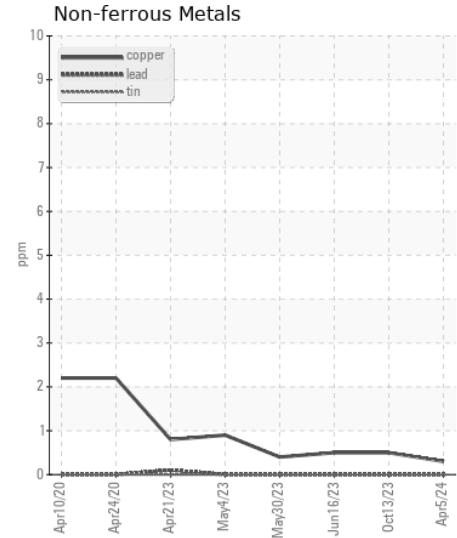
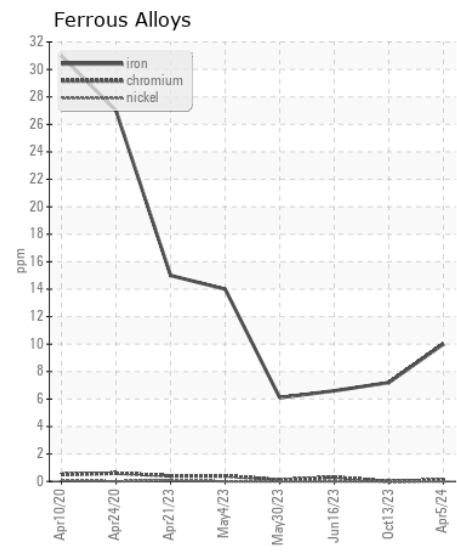
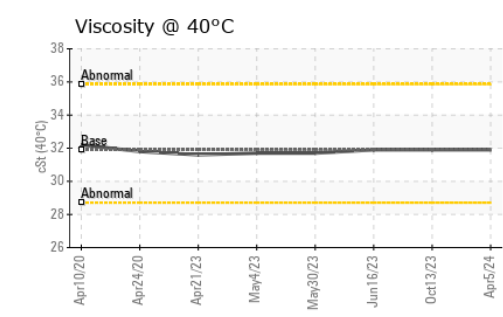
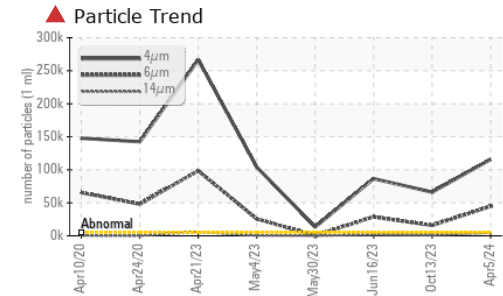
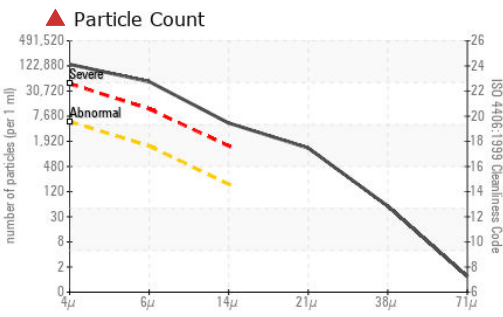
Il y a une quantité élevée de matières particulaires (2 à 100 µm de taille) présente dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	<b>2</b>	3	2
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>▲ 115675</b>	▲ 66134	▲ 86492
Particles >6µm		ASTM D7647	>1300	<b>▲ 44640</b>	▲ 15933	▲ 28606
Particles >14µm		ASTM D7647	>160	<b>▲ 4590</b>	▲ 944	▲ 1866
Particles >21µm		ASTM D7647	>40	<b>▲ 1166</b>	▲ 205	▲ 371
Particles >38µm		ASTM D7647	>10	<b>▲ 48</b>	10	6
Particles >71µm		ASTM D7647	>3	<b>1</b>	1	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 24/23/19</b>	▲ 23/21/17	▲ 24/22/18
Silt	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Debris	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>4</b>	2	3
Boron	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	0	<b>21</b>	1	2
Calcium	ppm	ASTM D5185(m)	50	<b>76</b>	56	56
Phosphorus	ppm	ASTM D5185(m)	330	<b>346</b>	344	339
Zinc	ppm	ASTM D5185(m)	430	<b>441</b>	432	412
Sulfur	ppm	ASTM D5185(m)	760	<b>787</b>	765	739
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	<b>31.9</b>	31.9	31.9



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0114799  
**Lab Number** : 02629958  
**Unique Number** : 5763090  
**Test Package** : MOB 1 ( Additional Tests: PrtCount )  
**Received** : 18 Apr 2024  
**Tested** : 18 Apr 2024  
**Diagnosed** : 18 Apr 2024 - Wes Davis

**GFL Environmental - 780 - GMA - ICI - Solid Waste**  
 4365 boul. St-Elzear Ouest,  
 Laval, QC  
 CA H7P 4J3  
 Contact: Pieces Laval  
 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.