



Machine Id  
**701108**  
Component  
**Hydraulic System**  
Fluid  
**PETRO CANADA HYDREX MV 32 (--- GAL)**

### RECOMMENDATION

Nous recommandons le remplacement des filtres de ce composant.  
Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0114827</b>	GFL0084369	GFL0084374
Sample Date		Client Info		<b>20 Mar 2024</b>	30 May 2023	17 May 2023
Machine Age	hrs	Client Info		<b>11376</b>	149972	9425
Oil Age	hrs	Client Info		<b>0</b>	0	1200
Filter Age	hrs	Client Info		<b>0</b>	0	1200
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	SEVERE

### WEAR

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

Iron	ppm	ASTM D5185(m)	>50	<b>13</b>	12	▲ 56
Chromium	ppm	ASTM D5185(m)	>10	<b>3</b>	3	0
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>5	<b>1</b>	1	▲ 31
Lead	ppm	ASTM D5185(m)	>4	<b>3</b>	<1	▲ 7
Copper	ppm	ASTM D5185(m)	>15	<b>5</b>	5	▲ 25
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	2
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

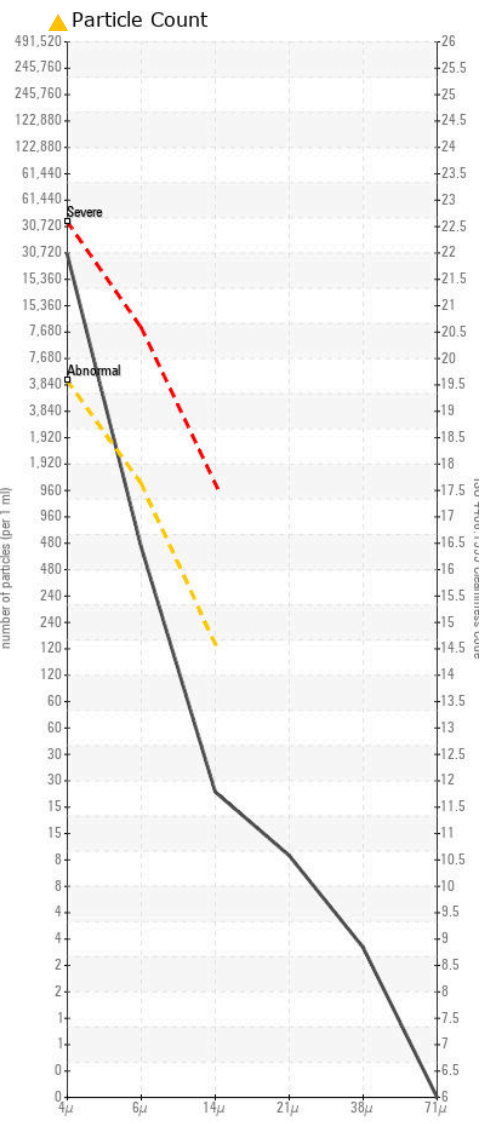
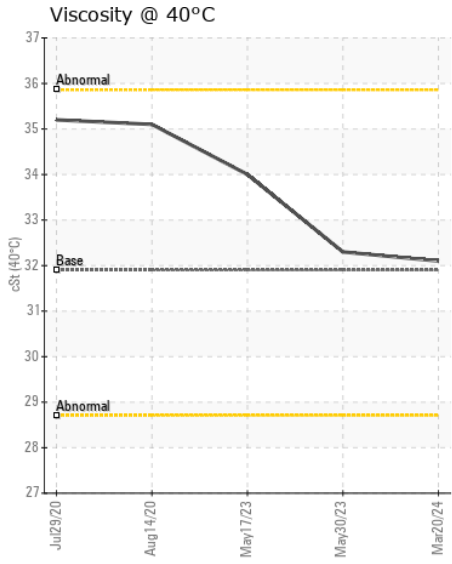
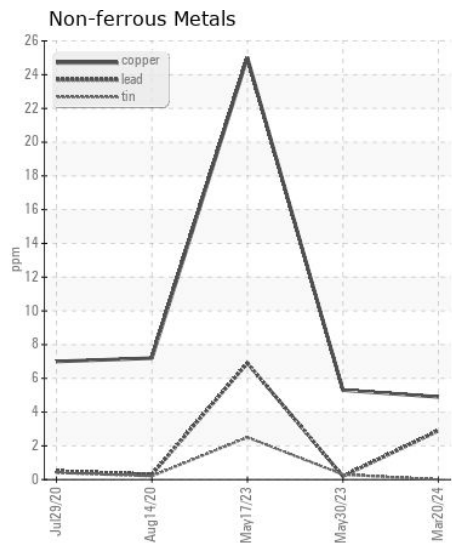
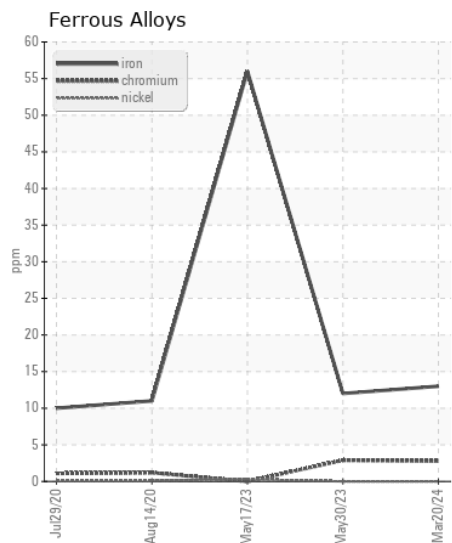
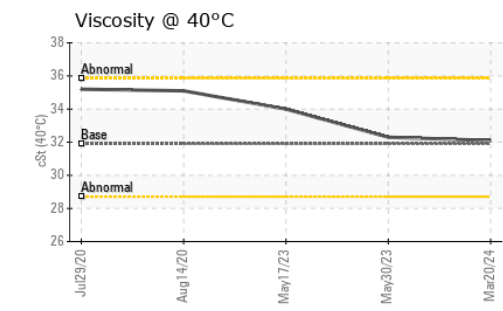
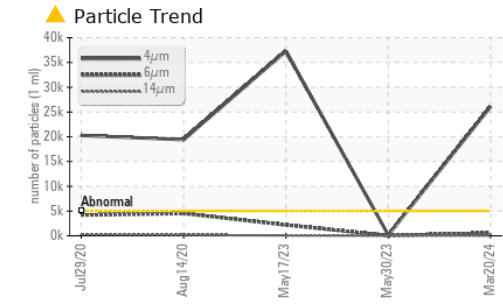
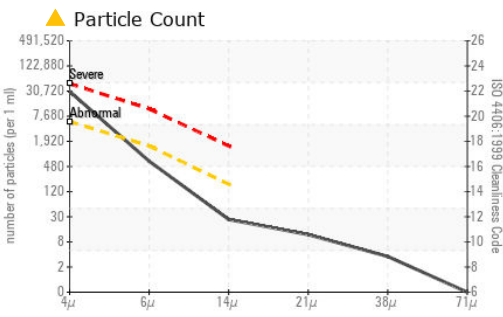
Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile.

Silicon	ppm	ASTM D5185(m)	>15	<b>2</b>	3	7
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	1	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ <b>26092</b>	156	▲ 37290
Particles >6µm		ASTM D7647	>1300	<b>565</b>	45	● 2199
Particles >14µm		ASTM D7647	>160	<b>23</b>	11	75
Particles >21µm		ASTM D7647	>40	<b>10</b>	3	16
Particles >38µm		ASTM D7647	>10	<b>3</b>	0	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ <b>22/16/12</b>	14/13/11	▲ 22/18/13
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	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>12</b>	14	4
Boron	ppm	ASTM D5185(m)	0	<b>2</b>	2	82
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	0	<b>5</b>	5	<1
Calcium	ppm	ASTM D5185(m)	50	<b>69</b>	72	108
Phosphorus	ppm	ASTM D5185(m)	330	<b>333</b>	362	252
Zinc	ppm	ASTM D5185(m)	430	<b>417</b>	413	4
Sulfur	ppm	ASTM D5185(m)	760	<b>780</b>	825	1337
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	<b>32.1</b>	32.3	34.0



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0114827  
**Lab Number** : 02625308  
**Unique Number** : 5750427  
**Test Package** : MOB 1 ( Additional Tests: PrtCount )  
**Received** : 28 Mar 2024  
**Tested** : 02 Apr 2024  
**Diagnosed** : 02 Apr 2024 - Wes Davis

**GFL Environmental - 780 - GMA - ICI - Solid Waste**  
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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.