



Machine Id  
**711022**  
Component  
**Hydraulic System**  
Fluid  
**PETRO CANADA HYDREX MV 32 (--- GAL)**

### RECOMMENDATION

Nous avons pris note que le filtre a été remplacé au moment de l'échantillonnage. 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>GFL0114798</b>	GFL0097131	GFL0084473
Sample Date		Client Info		<b>09 Apr 2024</b>	13 Oct 2023	22 Jun 2023
Machine Age	hrs	Client Info		<b>5982</b>	5072	90492
Oil Age	hrs	Client Info		<b>0</b>	1200	0
Filter Age	hrs	Client Info		<b>0</b>	1200	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Sample Status				<b>ABNORMAL</b>	SEVERE	SEVERE

### WEAR

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

Iron	ppm	ASTM D5185(m)	>50	<b>2</b>	15	12
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	3	3
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	2	2
Lead	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	2	2
Tin	ppm	ASTM D5185(m)	>4	<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

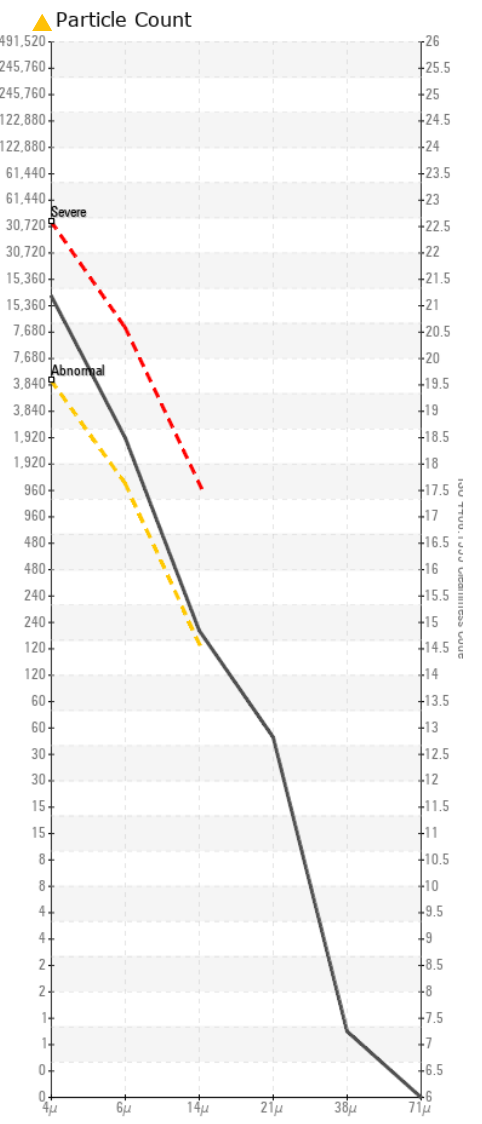
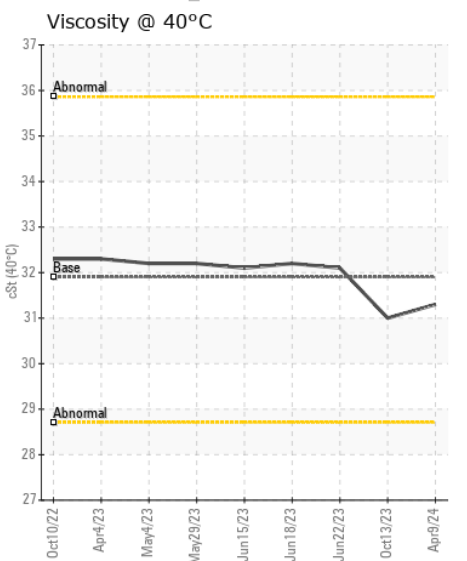
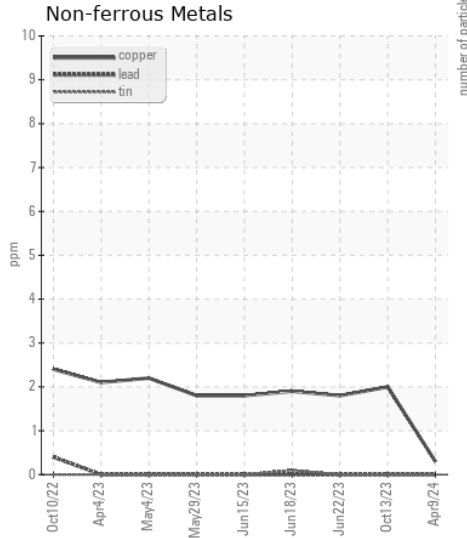
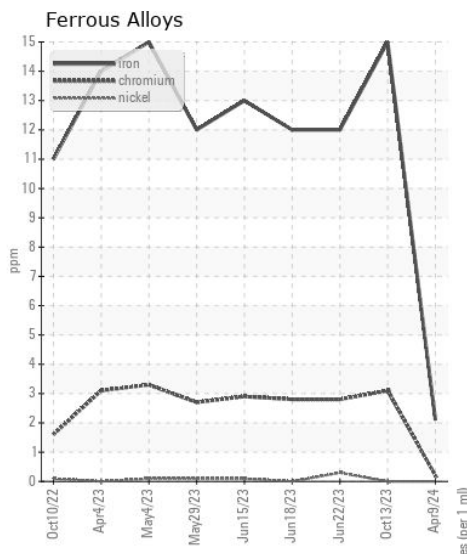
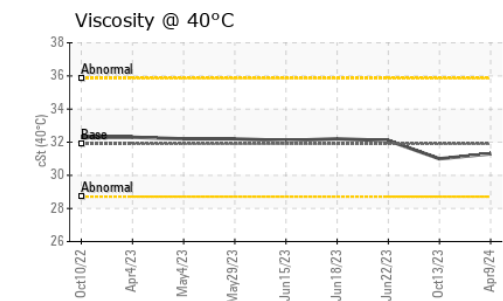
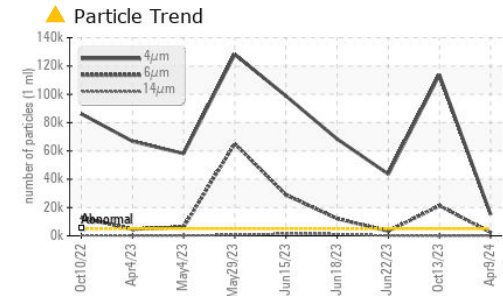
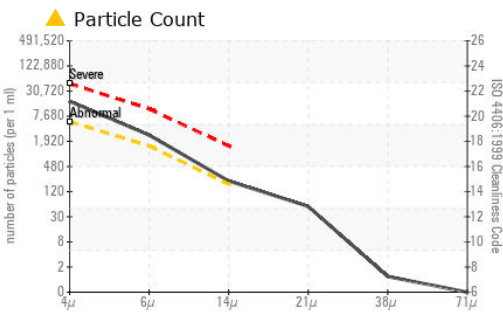
Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile.

Silicon	ppm	ASTM D5185(m)	>15	<b>0</b>	6	6
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	6
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>▲ 15126</b>	▲ 113829	▲ 43552
Particles >6µm		ASTM D7647	>1300	<b>● 2363</b>	▲ 21271	▲ 3252
Particles >14µm		ASTM D7647	>160	<b>● 190</b>	61	118
Particles >21µm		ASTM D7647	>40	<b>47</b>	12	31
Particles >38µm		ASTM D7647	>10	<b>1</b>	1	1
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 21/18/15</b>	▲ 24/22/13	▲ 23/19/14
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</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>2</b>	11	13
Boron	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	<1	1
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	0	<b>17</b>	26	19
Calcium	ppm	ASTM D5185(m)	50	<b>59</b>	78	81
Phosphorus	ppm	ASTM D5185(m)	330	<b>316</b>	336	368
Zinc	ppm	ASTM D5185(m)	430	<b>406</b>	426	427
Sulfur	ppm	ASTM D5185(m)	760	<b>726</b>	774	797
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	<b>31.3</b>	31.0	32.1



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0114798  
**Lab Number** : 02629957  
**Unique Number** : 5763089  
**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**  
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 Laval, QC  
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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.