



Machine Id  
**913139**  
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. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0119695</b>	GFL0097070	GFL0047518
Sample Date		Client Info		<b>08 May 2024</b>	22 Nov 2023	12 Jun 2023
Machine Age	hrs	Client Info		<b>2721</b>	1973	22673
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	Changed
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL

### WEAR

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

Iron	ppm	ASTM D5185(m)	>50	<b>13</b>	8	4
Chromium	ppm	ASTM D5185(m)	>10	<b>2</b>	<1	0
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	<1
Lead	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m)	>15	<b>1</b>	1	1
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

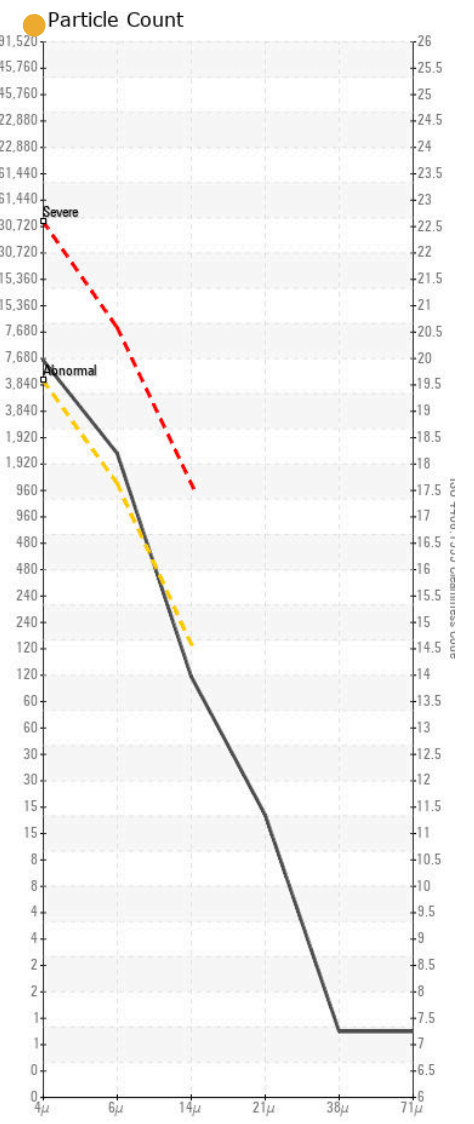
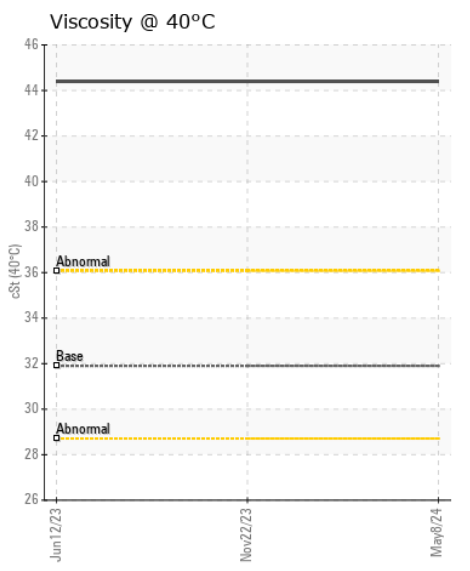
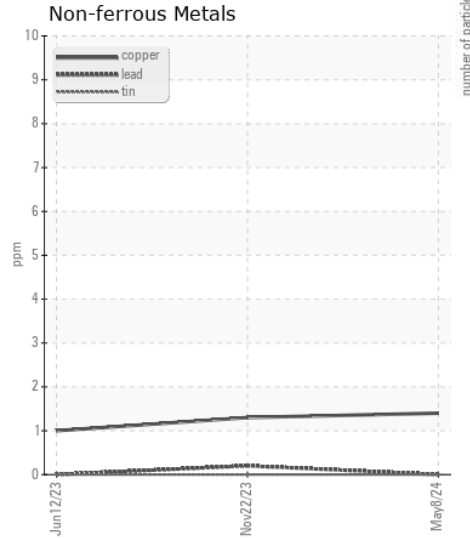
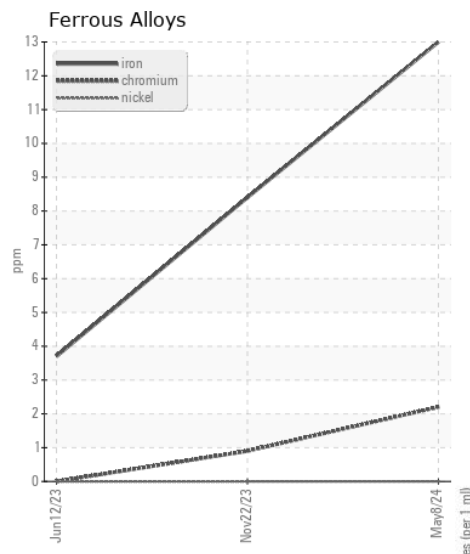
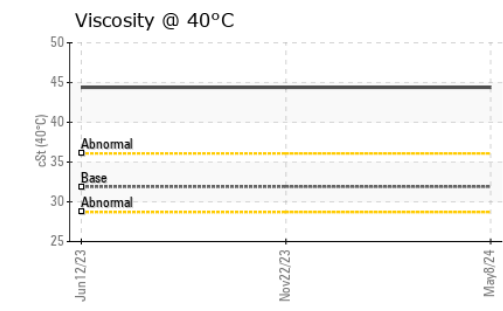
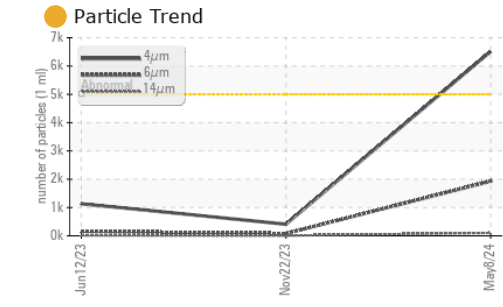
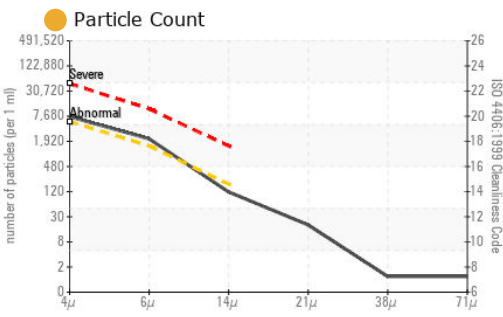
Il y a une légère quantité de limon (particules de 4 à 14 microns) dans l'huile.

Silicon	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	1	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	0	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>6512</b>	411	1133
Particles >6µm		ASTM D7647	>1300	<b>1928</b>	77	154
Particles >14µm		ASTM D7647	>160	<b>104</b>	8	15
Particles >21µm		ASTM D7647	>40	<b>17</b>	3	5
Particles >38µm		ASTM D7647	>10	<b>1</b>	1	0
Particles >71µm		ASTM D7647	>3	<b>1</b>	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>20/18/14</b>	16/13/10	17/14/11
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'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		<b>4</b>	3	2
Boron	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Barium	ppm	ASTM D5185(m)	0	<b>&lt;1</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>2</b>	1	<1
Calcium	ppm	ASTM D5185(m)	50	<b>45</b>	45	46
Phosphorus	ppm	ASTM D5185(m)	330	<b>339</b>	339	369
Zinc	ppm	ASTM D5185(m)	430	<b>416</b>	420	416
Sulfur	ppm	ASTM D5185(m)	760	<b>710</b>	723	753
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	<b>44.4</b>	44.4	44.4



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9    **GFL Environmental - 780 - GMA - ICI - Solid Waste**  
**Sample No.** : GFL0119695    **Received** : 13 May 2024    4365 boul. St-Elzear Ouest,  
**Lab Number** : 02634978    **Tested** : 14 May 2024    Laval, QC  
**Unique Number** : 5776131    **Diagnosed** : 14 May 2024 - Wes Davis    CA H7P 4J3  
**Test Package** : MOB 1 ( Additional Tests: PrtCount )    Contact: Pieces Laval  
 To discuss this sample report, contact Customer Service at 1-800-268-2131.    pieces.laval@gflenv.com  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.    T: (450)687-3838  
 Validity of results and interpretation are based on the sample and information as supplied.    F: