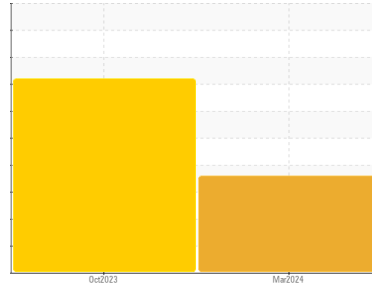




# OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Machine Id  
**713071**

Component  
**Hydraulic System**

Fluid  
**PETRO CANADA HYDREX MV 32 (--- GAL)**

## DIAGNOSIS

### Recommendation

Vérifier les scelles et/ou les filters 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 dessicant. 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. Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation.

### Wear

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

### Contamination

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

### Fluid Condition

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. l'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>GFL0114828</b>	GFL0084398	---
Sample Date	Client Info	<b>21 Mar 2024</b>	02 Oct 2023	---
Machine Age	hrs	<b>1834</b>	9953	---
Oil Age	hrs	<b>0</b>	0	---
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	---
Sample Status		<b>SEVERE</b>	SEVERE	---

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method	<b>NEG</b>	NEG	---

## WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185(m)	>20	<b>11</b>	6	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m)	>10	<b>4</b>	<1	---
Copper	ppm	ASTM D5185(m)	>75	<b>2</b>	<1	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

## ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185(m)	0	<b>4</b>	3	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	0	<b>19</b>	2	---
Calcium	ppm	ASTM D5185(m)	50	<b>687</b>	532	---
Phosphorus	ppm	ASTM D5185(m)	330	<b>287</b>	190	---
Zinc	ppm	ASTM D5185(m)	430	<b>200</b>	46	---
Sulfur	ppm	ASTM D5185(m)	760	<b>1190</b>	1192	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

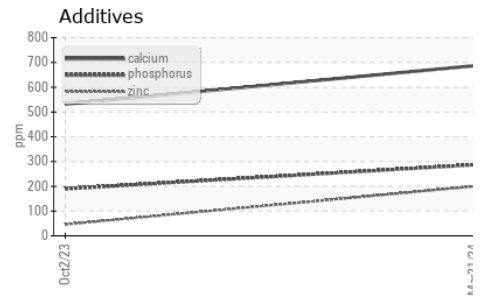
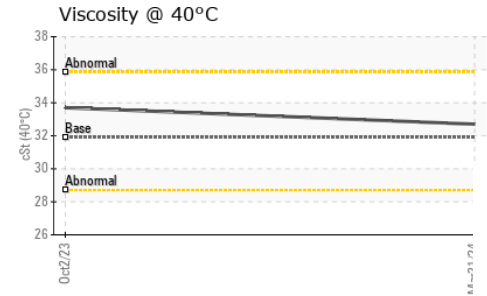
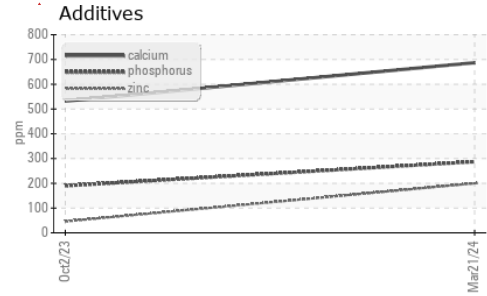
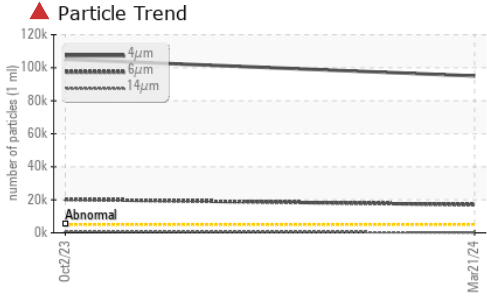
## CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Sodium	ppm	ASTM D5185(m)		<b>6</b>	5	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	2	---

## FLUID CLEANLINESS

method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>5000	<b>▲ 95010</b>	▲ 105079	---
Particles >6µm	ASTM D7647	>1300	<b>▲ 16998</b>	▲ 20228	---
Particles >14µm	ASTM D7647	>160	<b>133</b>	▲ 969	---
Particles >21µm	ASTM D7647	>40	<b>13</b>	▲ 221	---
Particles >38µm	ASTM D7647	>10	<b>1</b>	7	---
Particles >71µm	ASTM D7647	>3	<b>1</b>	0	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>▲ 24/21/14</b>	▲ 24/22/17	---

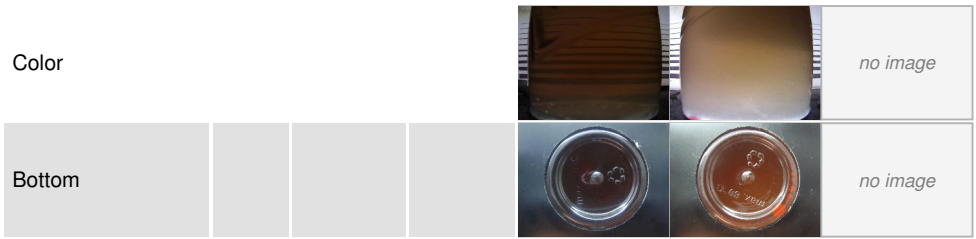
# OIL ANALYSIS REPORT



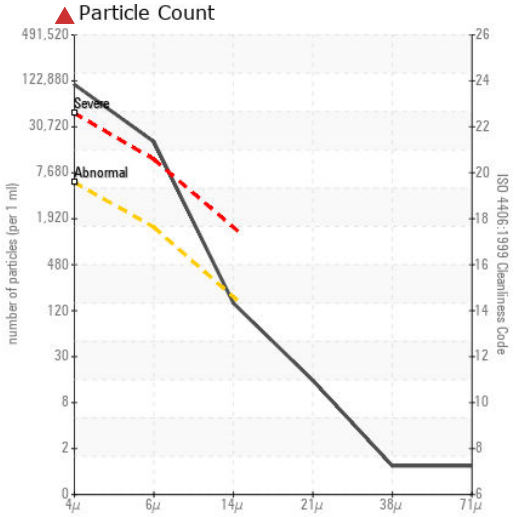
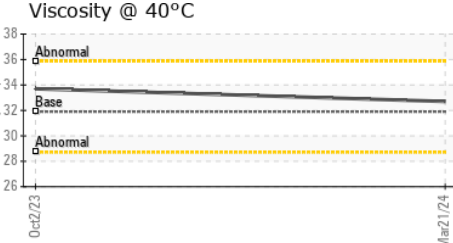
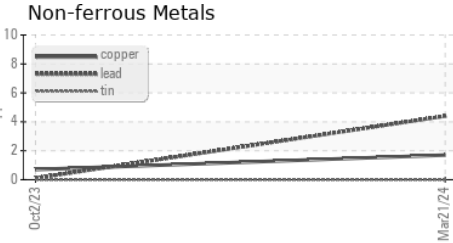
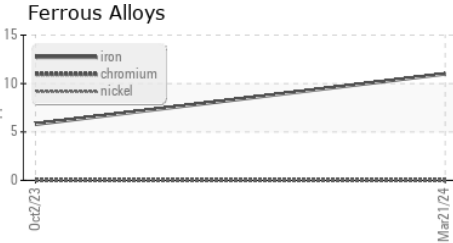
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	VLITE
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	VLITE
Appearance	scalar	Visual*	NORML	NORML	▲ HAZY
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	32.7	▲ 33.7

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9    **GFL Environmental - 780 - GMA - ICI - Solid Waste**  
**Sample No.** : GFL0114828    **Received** : 28 Mar 2024    4365 boul. St-Elzear Ouest,  
**Lab Number** : 02625307    **Tested** : 02 Apr 2024    Laval, QC  
**Unique Number** : 5750426    **Diagnosed** : 02 Apr 2024 - Kevin Marson    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: