



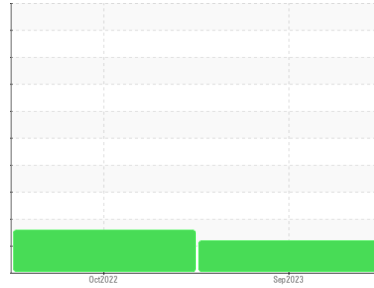
# OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Area  
**[1144944]**  
 Machine Id  
**701110**  
 Component  
**Hydraulic System**  
 Fluid  
**PETRO CANADA HYDREX MV 32 (--- GAL)**



## DIAGNOSIS

### 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.

### Wear

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

### Contamination

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

### Fluid Condition

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>GFL0087658</b>	GFL0062095	---
Sample Date	Client Info		<b>18 Sep 2023</b>	21 Oct 2022	---
Machine Age	kms	Client Info	<b>155783</b>	128000	---
Oil Age	kms	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>ABNORMAL</b>	ABNORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >50	<b>5</b>	9	---
Chromium	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	2	---
Nickel	ppm	ASTM D5185(m) >4	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185(m) >5	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m) >4	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185(m) >15	<b>5</b>	9	---
Tin	ppm	ASTM D5185(m) >4	<b>0</b>	<1	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	<1	---
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>&lt;1</b>	0	---
Barium	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185(m) 0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m) 1	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m) 0	<b>57</b>	3	---
Calcium	ppm	ASTM D5185(m) 50	<b>77</b>	64	---
Phosphorus	ppm	ASTM D5185(m) 330	<b>410</b>	384	---
Zinc	ppm	ASTM D5185(m) 430	<b>484</b>	436	---
Sulfur	ppm	ASTM D5185(m) 760	<b>991</b>	865	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

## CONTAMINANTS

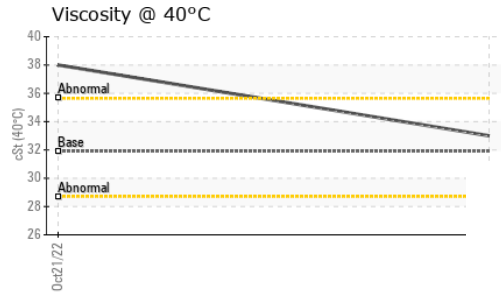
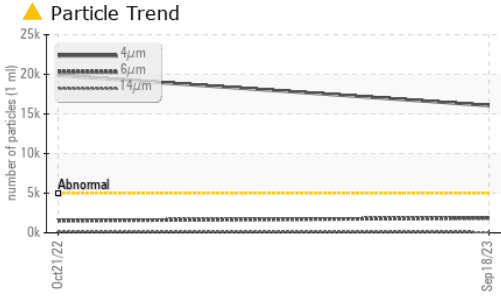
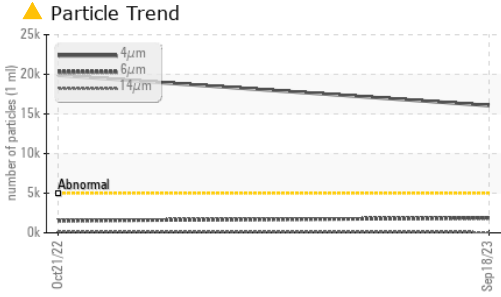
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	<b>1</b>	3	---
Sodium	ppm	ASTM D5185(m)	<b>5</b>	10	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	2	---

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>▲ 16065</b>	▲ 19869	---
Particles >6µm	ASTM D7647	>1300	<b>▲ 1860</b>	▲ 1537	---
Particles >14µm	ASTM D7647	>160	<b>71</b>	139	---
Particles >21µm	ASTM D7647	>40	<b>11</b>	46	---
Particles >38µm	ASTM D7647	>10	<b>0</b>	2	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>▲ 21/18/13</b>	▲ 21/18/14	---



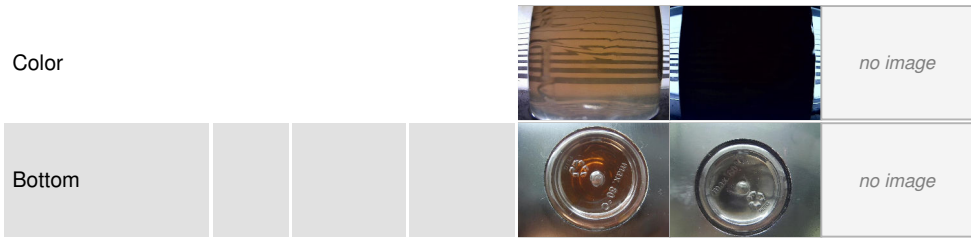
# OIL ANALYSIS REPORT



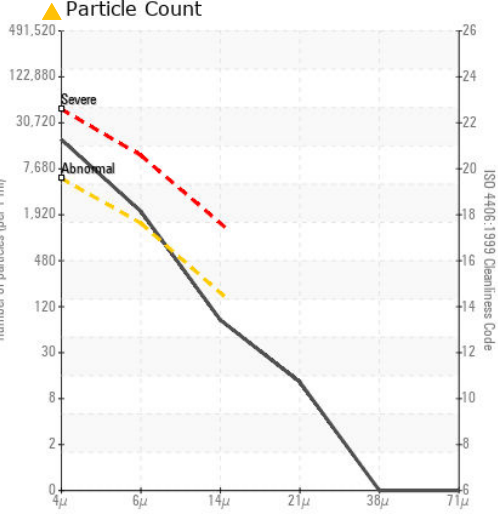
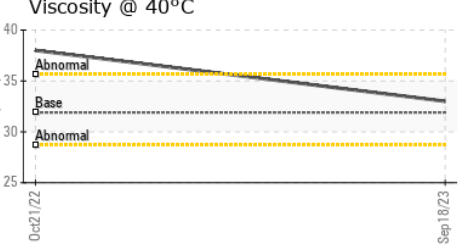
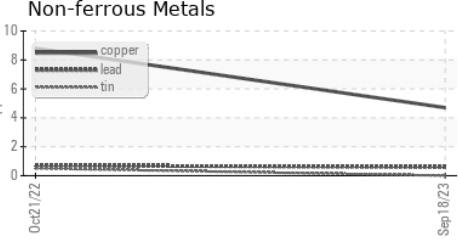
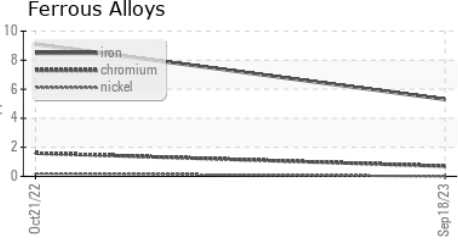
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
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	33.0	38.0

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.** : GFL0087658 **Received** : 06 Oct 2023 4365 boul. St-Elzear Ouest, Laval, QC  
**Lab Number** : 02587681 **Diagnosed** : 10 Oct 2023 CA H7P 4J3  
**Unique Number** : 5656747 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: PrtCount )

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.

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