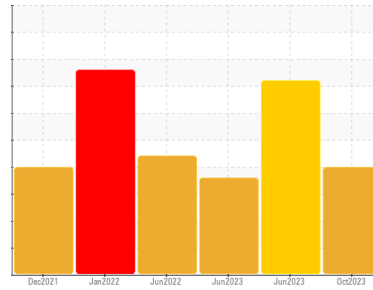




# OIL ANALYSIS REPORT

## Sample Rating Trend



ISO



Machine Id  
**7142**

Component  
**Hydraulic System**

Fluid  
**PETRO CANADA ENVIRON 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. 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

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>GFL0097053</b>	GFL0084425	GFL0084438
Sample Date	Client Info		<b>16 Oct 2023</b>	16 Jun 2023	06 Jun 2023
Machine Age	kms	Client Info	<b>302830</b>	2351	5483
Oil Age	kms	Client Info	<b>0</b>	0	1200
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status			<b>SEVERE</b>	SEVERE	SEVERE

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >20	<b>10</b>	18	6
Chromium	ppm	ASTM D5185(m) >10	<b>2</b>	2	<1
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	3	<1
Lead	ppm	ASTM D5185(m) >10	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m) >75	<b>&lt;1</b>	6	<1
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	<1	0
Antimony	ppm	ASTM D5185(m)	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	<1	<1
Barium	ppm	ASTM D5185(m) 5	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m) 0	<b>3</b>	<1	14
Manganese	ppm	ASTM D5185(m) 0	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m) 5	<b>59</b>	4	225
Calcium	ppm	ASTM D5185(m) 5	<b>115</b>	61	300
Phosphorus	ppm	ASTM D5185(m) 650	<b>378</b>	346	542
Zinc	ppm	ASTM D5185(m) 5	<b>468</b>	422	591
Sulfur	ppm	ASTM D5185(m) 1420	<b>848</b>	756	1253
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

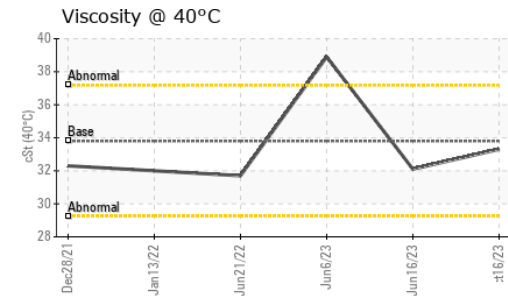
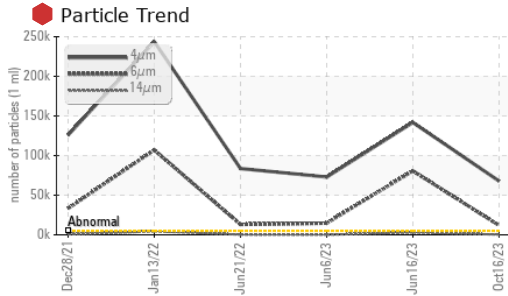
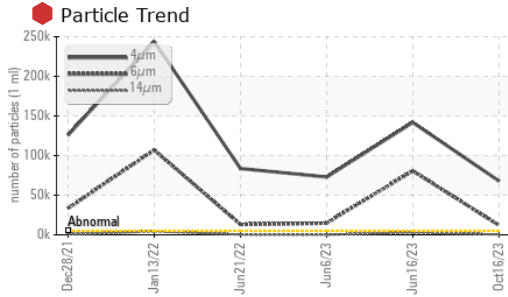
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	<b>2</b>	3	2
Sodium	ppm	ASTM D5185(m)	<b>2</b>	1	<1
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	<1	0

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>67816</b>	141783	72909
Particles >6µm	ASTM D7647	>1300	<b>11929</b>	80639	14724
Particles >14µm	ASTM D7647	>160	<b>288</b>	2902	104
Particles >21µm	ASTM D7647	>40	<b>47</b>	299	11
Particles >38µm	ASTM D7647	>10	<b>5</b>	4	0
Particles >71µm	ASTM D7647	>3	<b>1</b>	1	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>23/21/15</b>	24/24/19	23/21/14



# OIL ANALYSIS REPORT



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

PARAMETER	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	33.8	33.3	32.1 38.9

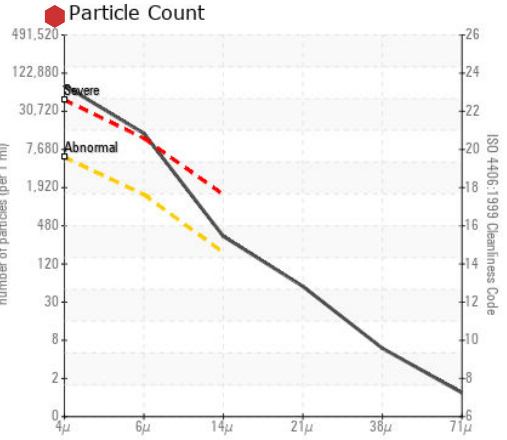
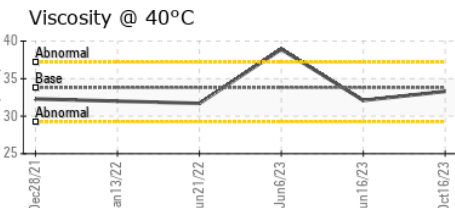
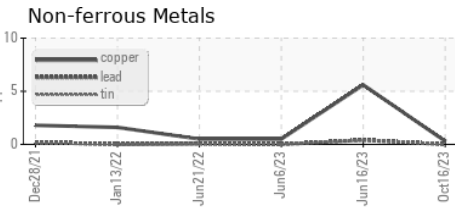
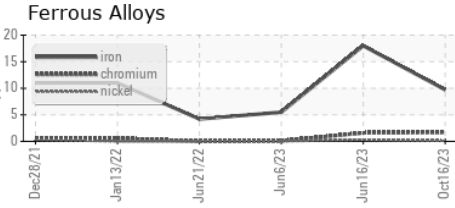
PARAMETER	method	limit/base	current	history1	history2
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**Color**

**Bottom**

**PrtFilter**

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste  
**Sample No.** : GFL0097053 **Received** : 20 Nov 2023  
**Lab Number** : 02597565 **Diagnosed** : 22 Nov 2023  
**Unique Number** : 5682645 **Diagnostician** : Kevin Marson  
**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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