



# OIL ANALYSIS REPORT

Sample Rating Trend

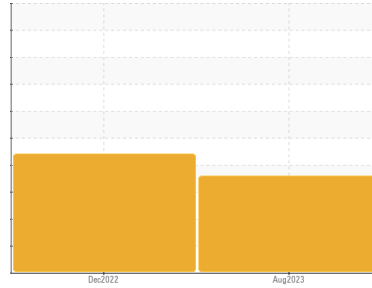
ISO



Machine Id  
**7245**

Component  
**Hydraulic System**

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



## DIAGNOSIS

### Recommendation

Vérifier les scelles et/ou les filtres 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. Confirm the source of the lubricant being utilized for top-up/fill. 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

La viscosité de l'huile est plus élevée que la normale. Ceci, en plus des niveaux d'additifs, indique que la marque ou le type d'huile ne correspond pas à ce qui a été signalé. 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>GFL0088817</b>	GFL0062077	---
Sample Date	Client Info		<b>29 Aug 2023</b>	20 Dec 2022	---
Machine Age	kms	Client Info	<b>257025</b>	155000	---
Oil Age	kms	Client Info	<b>1200</b>	0	---
Oil Changed	Client Info		<b>Not Chngd</b>	N/A	---
Sample Status			<b>SEVERE</b>	SEVERE	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >40	<b>6</b>	5	---
Chromium	ppm	ASTM D5185(m) >5	<b>1</b>	3	---
Nickel	ppm	ASTM D5185(m) >2	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185(m) >2	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m) >8	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m) >5	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	0	---
Tin	ppm	ASTM D5185(m) >2	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m) >2	<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>&lt;1</b>	<1	---
Barium	ppm	ASTM D5185(m) 0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m) 0	<b>11</b>	<1	---
Manganese	ppm	ASTM D5185(m) 1	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m) 0	<b>176</b>	4	---
Calcium	ppm	ASTM D5185(m) 50	<b>246</b>	59	---
Phosphorus	ppm	ASTM D5185(m) 330	<b>490</b>	353	---
Zinc	ppm	ASTM D5185(m) 430	<b>556</b>	412	---
Sulfur	ppm	ASTM D5185(m) 760	<b>1099</b>	782	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

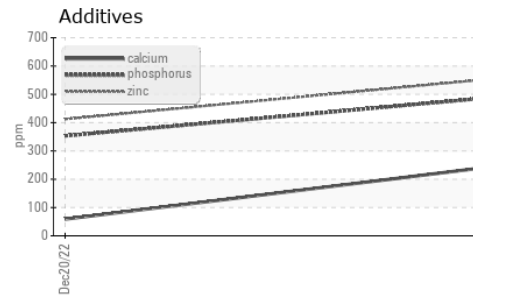
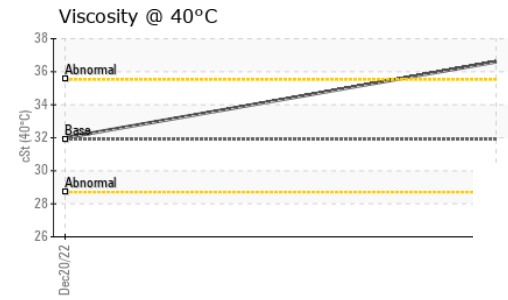
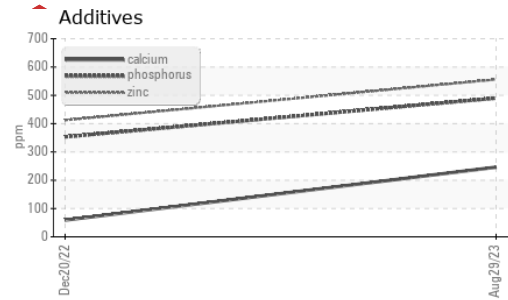
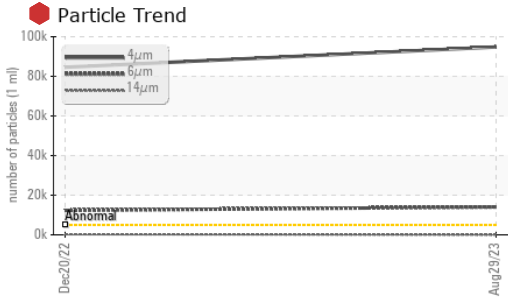
## CONTAMINANTS

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

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>94817</b>	84593	---
Particles >6µm	ASTM D7647	>1300	<b>14032</b>	12329	---
Particles >14µm	ASTM D7647	>160	<b>73</b>	287	---
Particles >21µm	ASTM D7647	>40	<b>18</b>	76	---
Particles >38µm	ASTM D7647	>10	<b>1</b>	2	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>24/21/13</b>	24/21/15	---

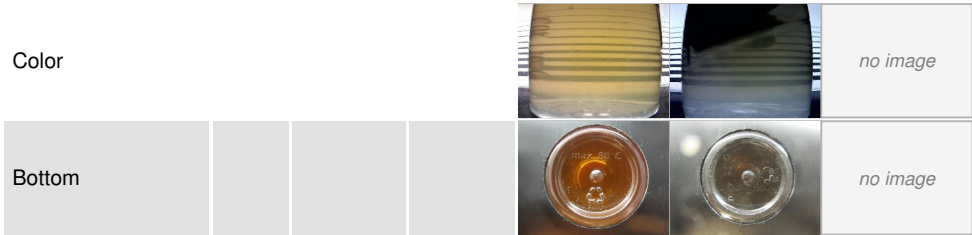
# OIL ANALYSIS REPORT



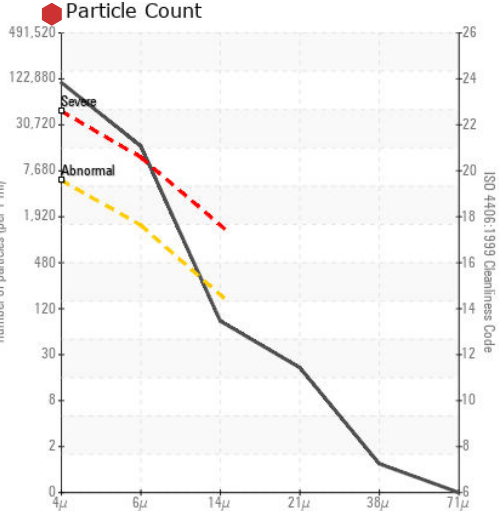
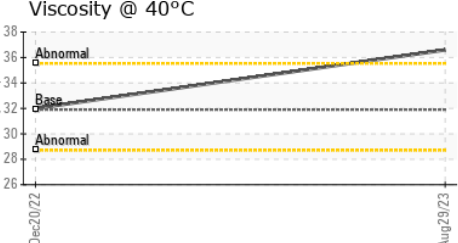
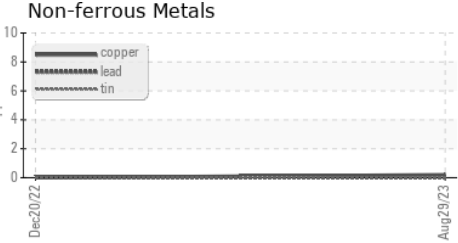
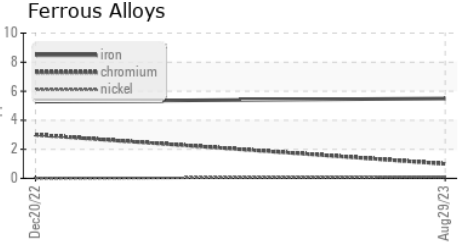
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	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	36.6	32.0

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.** : GFL0088817 **Received** : 05 Sep 2023 4365 boul. St-Elzear Ouest,  
**Lab Number** : 02580396 **Diagnosed** : 06 Sep 2023 Laval, QC  
**Unique Number** : 5633456 **Diagnostician** : 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.  
 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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