



# OIL ANALYSIS REPORT

Sample Rating Trend

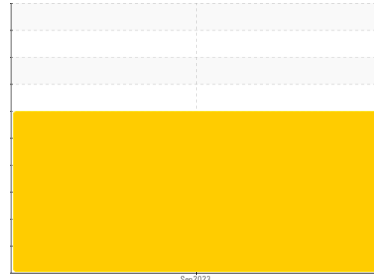
ISO



Area  
**CAPLAN**  
Machine Id  
**#8330**

Component  
**Center Right Hydraulic System**

Fluid  
**PETRO CANADA HYDREX AW 32 (208 LTR)**



## DIAGNOSIS

### Recommendation

Nous vous recommandons de vérifier tous les endroits par lesquels des contaminants peuvent pénétrer dans le système. Nous vous recommandons de remplacer le filtre et d'utiliser un système de filtrage hors-ligne afin d'améliorer la propreté du fluide. 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 dessiccant. Si évalué, nous vous recommandons de réparer / remplacer le reniflard. 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 quantité élevée de matières particulaires (2 à 100 µm de taille) présente 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>GFL0079094</b>	---	---
Sample Date	Client Info	<b>07 Sep 2023</b>	---	---
Machine Age	hrs Client Info	<b>15383</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>SEVERE</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185(m) >40	<b>2</b>	---	---
Chromium ppm	ASTM D5185(m) >5	<b>&lt;1</b>	---	---
Nickel ppm	ASTM D5185(m) >2	<b>0</b>	---	---
Titanium ppm	ASTM D5185(m) >2	<b>0</b>	---	---
Silver ppm	ASTM D5185(m)	<b>0</b>	---	---
Aluminum ppm	ASTM D5185(m) >8	<b>0</b>	---	---
Lead ppm	ASTM D5185(m) >5	<b>0</b>	---	---
Copper ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---
Tin ppm	ASTM D5185(m) >2	<b>0</b>	---	---
Antimony ppm	ASTM D5185(m) >2	<b>0</b>	---	---
Vanadium ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185(m) 0	<b>1</b>	---	---
Barium ppm	ASTM D5185(m) 0	<b>0</b>	---	---
Molybdenum ppm	ASTM D5185(m) 0	<b>&lt;1</b>	---	---
Manganese ppm	ASTM D5185(m) 0	<b>0</b>	---	---
Magnesium ppm	ASTM D5185(m) 0	<b>10</b>	---	---
Calcium ppm	ASTM D5185(m) 50	<b>71</b>	---	---
Phosphorus ppm	ASTM D5185(m) 330	<b>391</b>	---	---
Zinc ppm	ASTM D5185(m) 430	<b>476</b>	---	---
Sulfur ppm	ASTM D5185(m) 760	<b>858</b>	---	---
Lithium ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

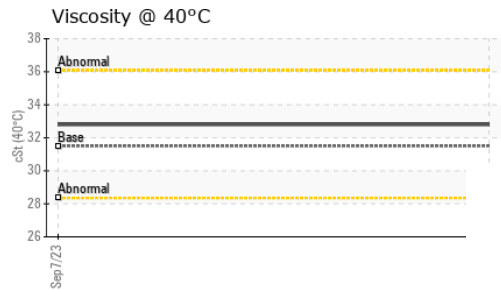
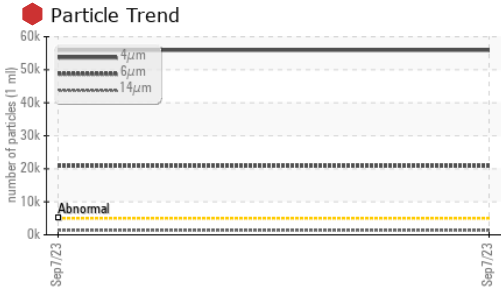
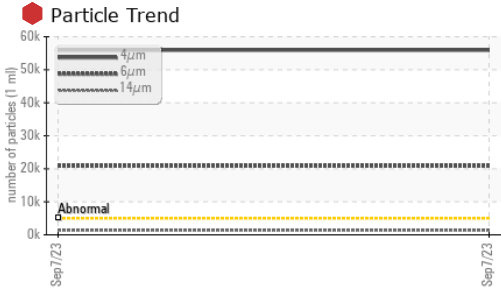
method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---
Sodium ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Potassium ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---

## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	<b>55925</b>	---	---
Particles >6µm	ASTM D7647 >1300	<b>20845</b>	---	---
Particles >14µm	ASTM D7647 >160	<b>1366</b>	---	---
Particles >21µm	ASTM D7647 >40	<b>282</b>	---	---
Particles >38µm	ASTM D7647 >10	<b>5</b>	---	---
Particles >71µm	ASTM D7647 >3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	<b>23/22/18</b>	---	---



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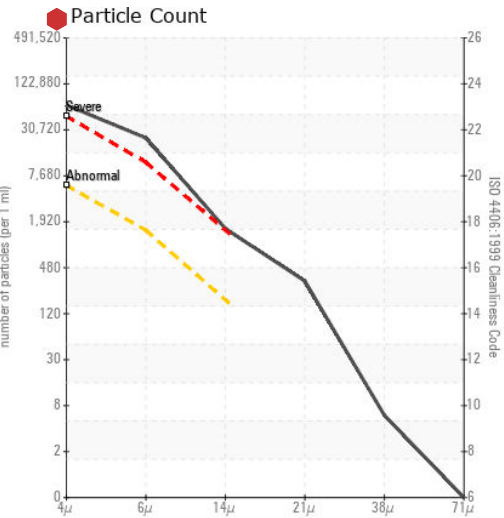
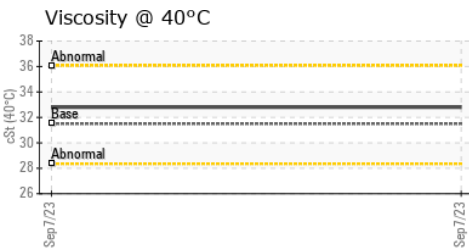
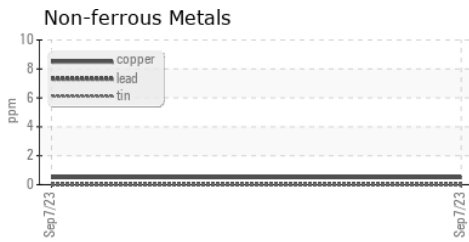
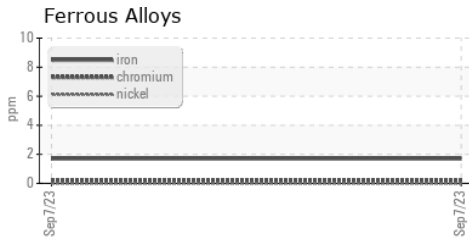
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	VLITE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
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)	31.5	32.8	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0079094 **Received** : 12 Sep 2023  
**Lab Number** : 02581862 **Diagnosed** : 13 Sep 2023  
**Unique Number** : 5642927 **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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