



Area  
**{UNASSIGNED}**  
Machine Id  
**401165**  
Component  
**Hydraulic System**  
Fluid  
**PETRO CANADA HYDREX AW 46 (--- GAL)**

### 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0121276</b>	GFL0061578	---
Sample Date		Client Info		<b>30 May 2024</b>	21 Aug 2023	---
Machine Age	hrs	Client Info		<b>9109</b>	223530	---
Oil Age	hrs	Client Info		<b>1200</b>	0	---
Filter Age	hrs	Client Info		<b>1200</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	N/A	---
Filter Changed		Client Info		<b>Changed</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	SEVERE	---

### WEAR

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

Iron	ppm	ASTM D5185(m)	>50	<b>15</b>	15	---
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	---
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>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	1	---
Lead	ppm	ASTM D5185(m)	>4	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

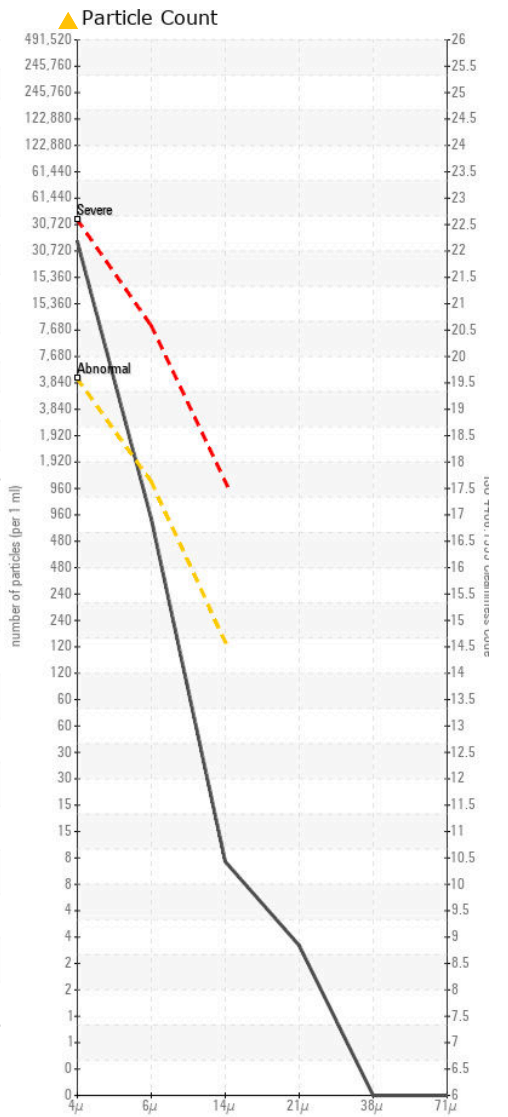
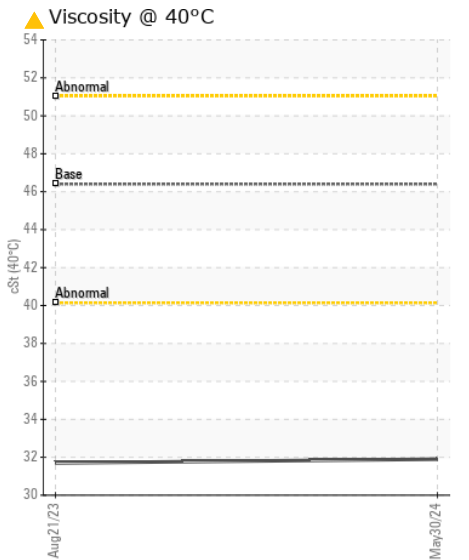
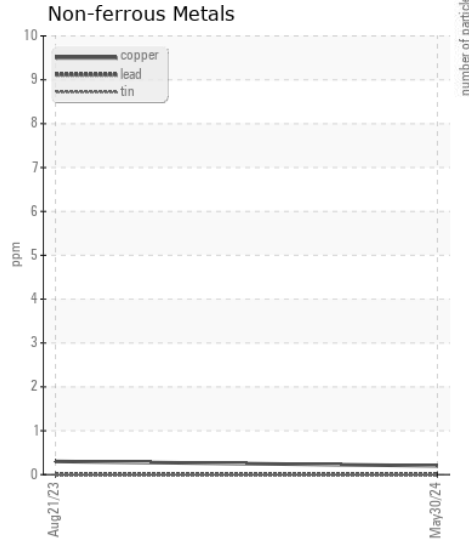
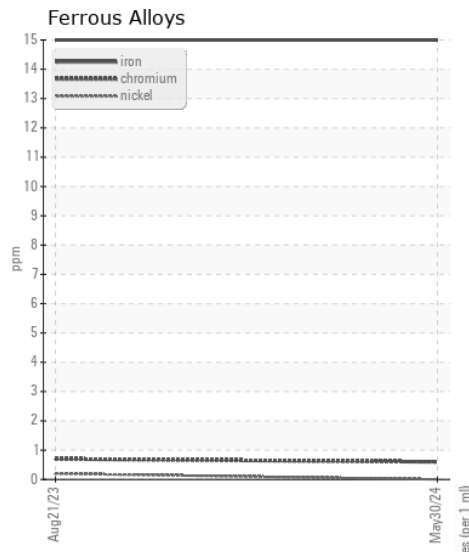
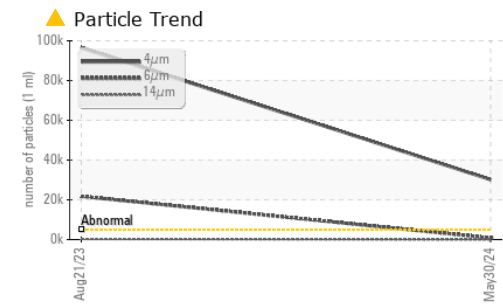
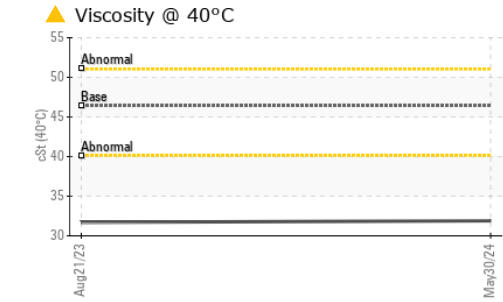
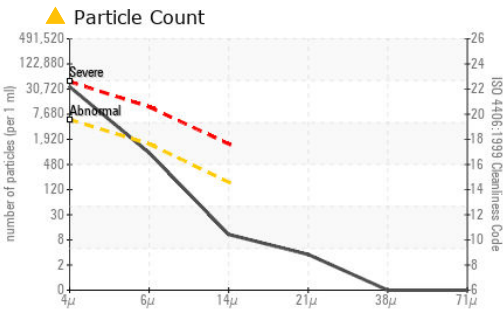
Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile.

Silicon	ppm	ASTM D5185(m)	>15	<b>2</b>	3	---
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	2	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>5000	<b>▲ 30157</b>	▲ 96542	---
Particles >6µm		ASTM D7647	>1300	<b>801</b>	▲ 21738	---
Particles >14µm		ASTM D7647	>160	<b>9</b>	● 280	---
Particles >21µm		ASTM D7647	>40	<b>3</b>	● 57	---
Particles >38µm		ASTM D7647	>10	<b>0</b>	12	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	3	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 22/17/10</b>	▲ 24/22/15	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	---

### FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'ISO 32; nous vous conseillons de vérifier. l'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

Sodium	ppm	ASTM D5185(m)		<b>3</b>	3	---
Boron	ppm	ASTM D5185(m)	0	<b>1</b>	2	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	0	<b>11</b>	12	---
Calcium	ppm	ASTM D5185(m)	50	<b>79</b>	80	---
Phosphorus	ppm	ASTM D5185(m)	330	<b>325</b>	352	---
Zinc	ppm	ASTM D5185(m)	430	<b>405</b>	422	---
Sulfur	ppm	ASTM D5185(m)	760	<b>747</b>	797	---
Visc @ 40°C	cSt	ASTM D7279(m)	46.4	<b>▲ 31.9</b>	31.7	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0121276 **Received** : 03 Jun 2024  
**Lab Number** : 02639429 **Tested** : 04 Jun 2024  
**Unique Number** : 5788591 **Diagnosed** : 04 Jun 2024 - 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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