



Machine Id  
**419004**  
Component  
**Hydraulic System**  
Fluid  
**PETRO CANADA HYDREX MV 32 (--- GAL)**

### 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 dessiccant. Si évalué, nous vous recommandons de réparer / remplacer le reniflard. Nous recommandons le remplacement des filtres de ce composant. Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation.

### WEAR

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

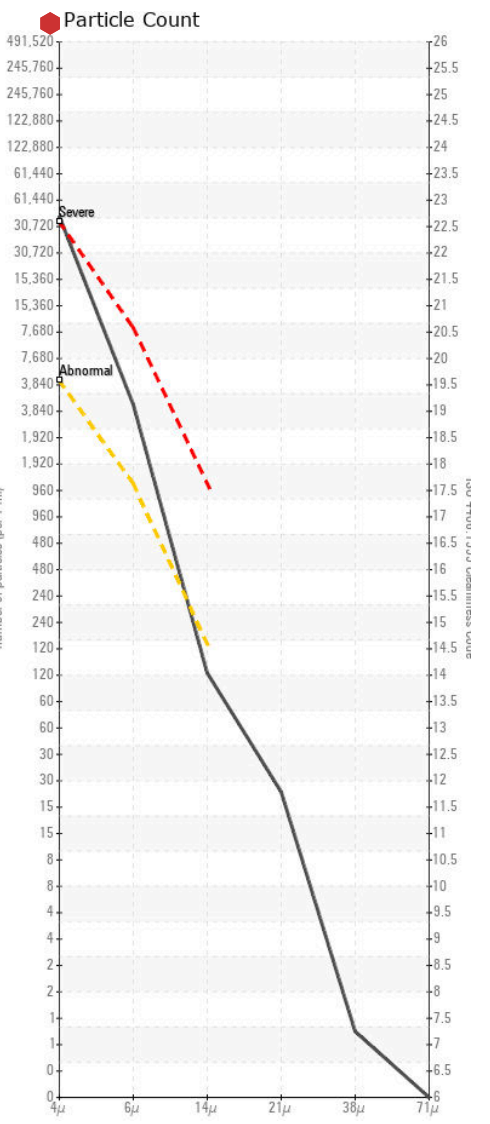
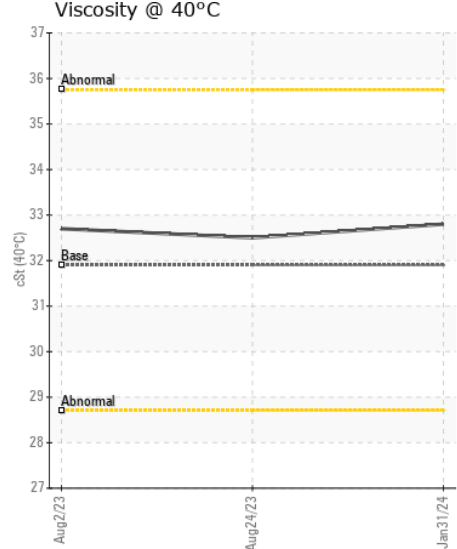
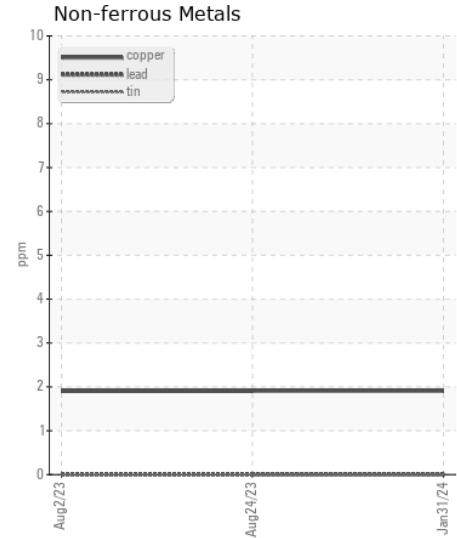
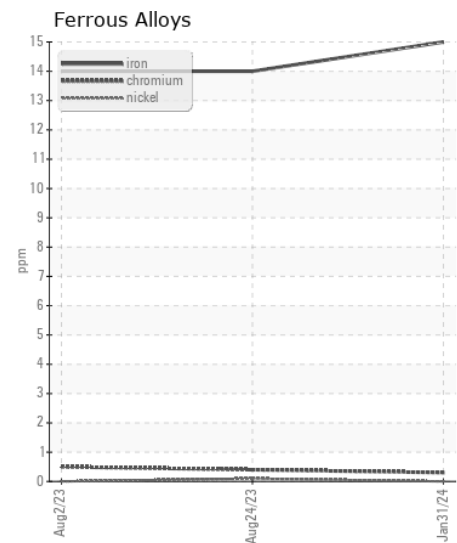
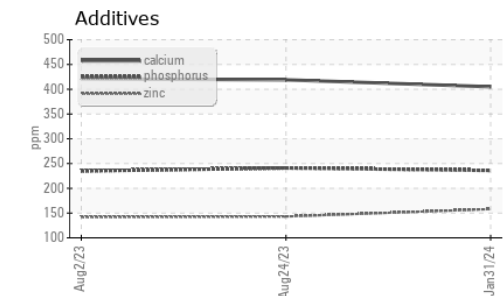
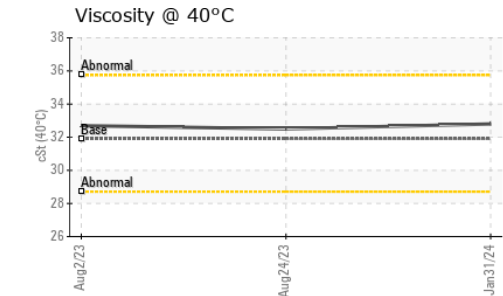
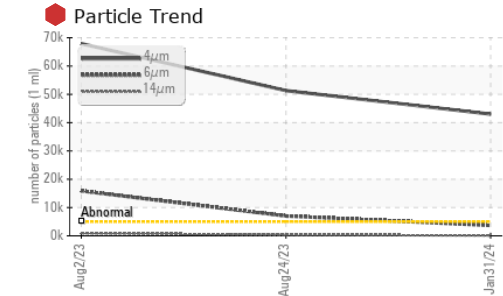
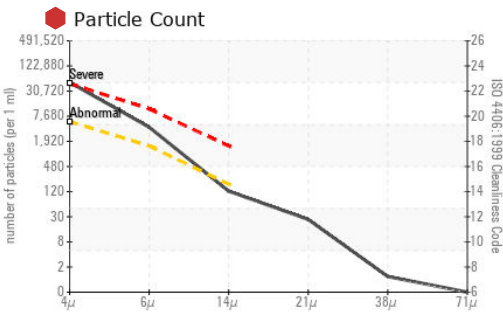
### CONTAMINATION

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

### FLUID CONDITION

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0096665</b>	GFL0088815	GFL0088837
Sample Date		Client Info		<b>31 Jan 2024</b>	24 Aug 2023	02 Aug 2023
Machine Age	kms	Client Info		<b>195826</b>	177087	175652
Oil Age	kms	Client Info		<b>0</b>	12000	0
Filter Age	kms	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Sample Status				<b>SEVERE</b>	SEVERE	SEVERE
Iron	ppm	ASTM D5185(m)	>50	<b>15</b>	14	14
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>5	<b>1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>15	<b>2</b>	2	2
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>15	<b>2</b>	2	2
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>43007</b>	51310	67906
Particles >6µm		ASTM D7647	>1300	<b>3660</b>	6995	15879
Particles >14µm		ASTM D7647	>160	<b>109</b>	332	896
Particles >21µm		ASTM D7647	>40	<b>23</b>	73	242
Particles >38µm		ASTM D7647	>10	<b>1</b>	2	22
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	3
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>23/19/14</b>	23/20/16	23/21/17
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	2
Boron	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	1
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	0	<b>7</b>	3	4
Calcium	ppm	ASTM D5185(m)	50	<b>405</b>	419	421
Phosphorus	ppm	ASTM D5185(m)	330	<b>236</b>	241	235
Zinc	ppm	ASTM D5185(m)	430	<b>158</b>	143	142
Sulfur	ppm	ASTM D5185(m)	760	<b>982</b>	944	939
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	<b>32.8</b>	32.5	32.7



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0096665 **Received** : 21 Feb 2024  
**Lab Number** : 02617135 **Tested** : 22 Feb 2024  
**Unique Number** : 5734245 **Diagnosed** : 22 Feb 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: PrtCount )

**GFL Environmental - 730 - Chicoutimi - Hauling**  
 3199 Boul. Talbot  
 Chicoutimi, QC  
 CA G7H 5B1  
 Contact: Yan Houde  
 yhoude@matrec.ca  
 T: (418)549-8074  
 F: (418)549-7973

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.