



Machine Id  
**711016**  
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 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.

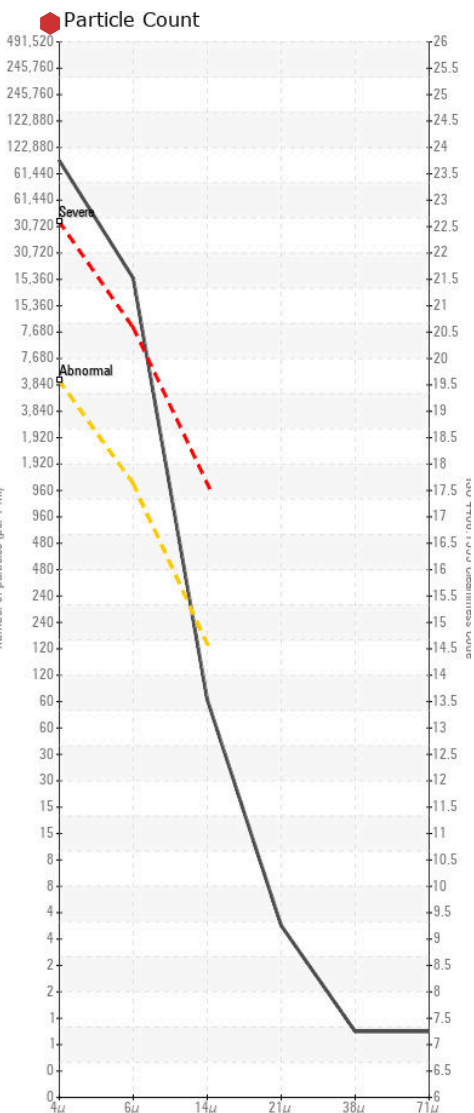
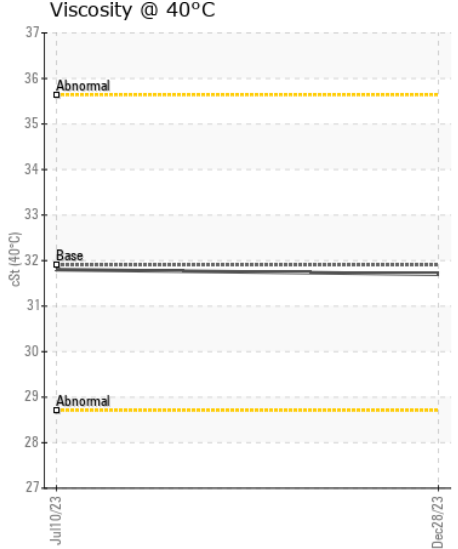
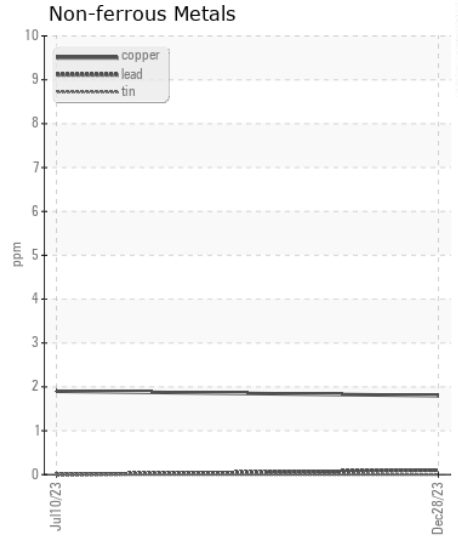
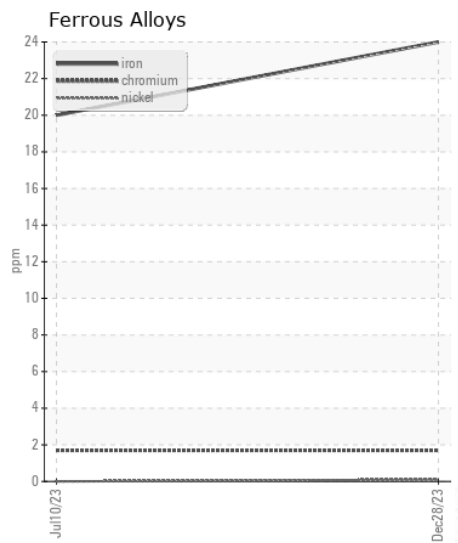
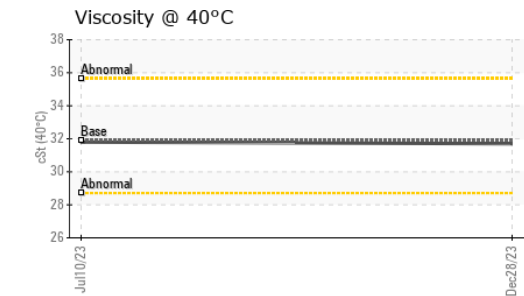
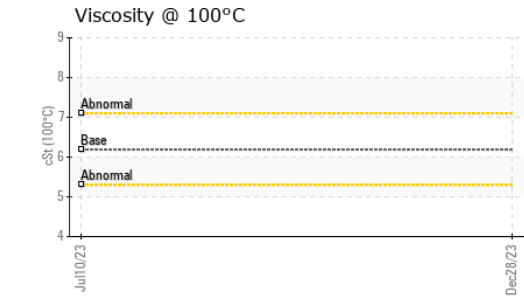
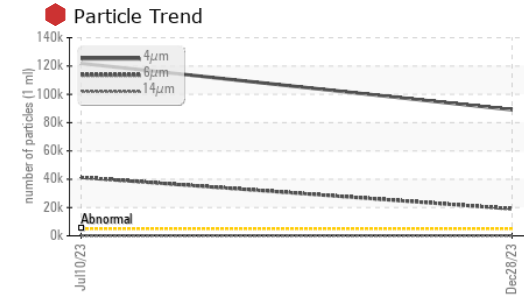
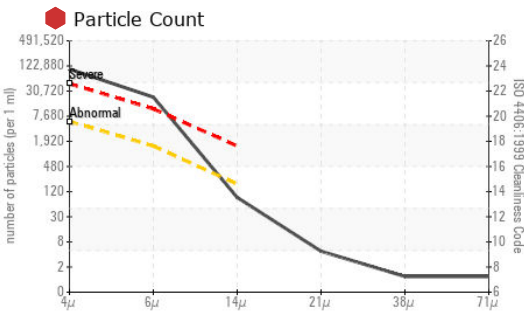
### CONTAMINATION

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0103661</b>	GFL0084408	---
Sample Date		Client Info		<b>28 Dec 2023</b>	10 Jul 2023	---
Machine Age	hrs	Client Info		<b>5328</b>	44939	---
Oil Age	hrs	Client Info		<b>0</b>	1200	---
Filter Age	hrs	Client Info		<b>0</b>	1200	---
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>SEVERE</b>	SEVERE	---
Iron	ppm	ASTM D5185(m)	>50	<b>24</b>	20	---
Chromium	ppm	ASTM D5185(m)	>10	<b>2</b>	2	---
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>5	<b>3</b>	3	---
Lead	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185(m)	>15	<b>2</b>	2	---
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	---
Silicon	ppm	ASTM D5185(m)	>15	<b>8</b>	8	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	2	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*		<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*		<b>1.8</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*		<b>17.6</b>	---	---
Particles >4µm		ASTM D7647	>5000	<b>89096</b>	121866	---
Particles >6µm		ASTM D7647	>1300	<b>19068</b>	41245	---
Particles >14µm		ASTM D7647	>160	<b>77</b>	65	---
Particles >21µm		ASTM D7647	>40	<b>4</b>	5	---
Particles >38µm		ASTM D7647	>10	<b>1</b>	0	---
Particles >71µm		ASTM D7647	>3	<b>1</b>	0	---
Oil Cleanliness		ISO 4406 (c)	<19/17/14	<b>24/21/13</b>	24/23/13	---
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	---
Sodium	ppm	ASTM D5185(m)		<b>18</b>	20	---
Boron	ppm	ASTM D5185(m)	0	<b>0</b>	<1	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	0	<b>19</b>	17	---
Calcium	ppm	ASTM D5185(m)	50	<b>79</b>	75	---
Phosphorus	ppm	ASTM D5185(m)	330	<b>335</b>	366	---
Zinc	ppm	ASTM D5185(m)	430	<b>419</b>	427	---
Sulfur	ppm	ASTM D5185(m)	760	<b>830</b>	793	---
Oxidation	Abs/.1mm	ASTM D7414*		<b>9.6</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	<b>31.7</b>	31.8	---
Visc @ 100°C	cSt	ASTM D7279(m)	6.19	<b>6</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	147	<b>137</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste  
**Sample No.** : GFL0103661 **Received** : 05 Jan 2024 4365 boul. St-Elzear Ouest, Laval, QC  
**Lab Number** : 02606762 **Diagnosed** : 09 Jan 2024 CA H7P 4J3  
**Unique Number** : 5707848 **Diagnostician** : Wes Davis Contact: Pieces Laval  
**Test Package** : MOB 1 ( Additional Tests: FT-IR, KV100, PrtCount, VI ) pieces.laval@gflenv.com  
 T: (450)687-3838  
 F:

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.