



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**MACK 929129**  
Component  
**Hydraulic System**  
Fluid

**PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL (--- GAL)**

**RECOMMENDATION**

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0088353</b>	GFL0080936	---
Sample Date		Client Info		<b>30 May 2024</b>	15 Jun 2023	---
Machine Age	kms	Client Info		<b>8128</b>	255188	---
Oil Age	kms	Client Info		<b>0</b>	6988	---
Filter Age	kms	Client Info		<b>1140</b>	0	---
Oil Changed		Client Info		<b>Not Changed</b>	N/A	---
Filter Changed		Client Info		<b>Changed</b>	N/A	---
Sample Status				<b>NORMAL</b>	SEVERE	---

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>50	<b>2</b>	13	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</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>	<1	---
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**

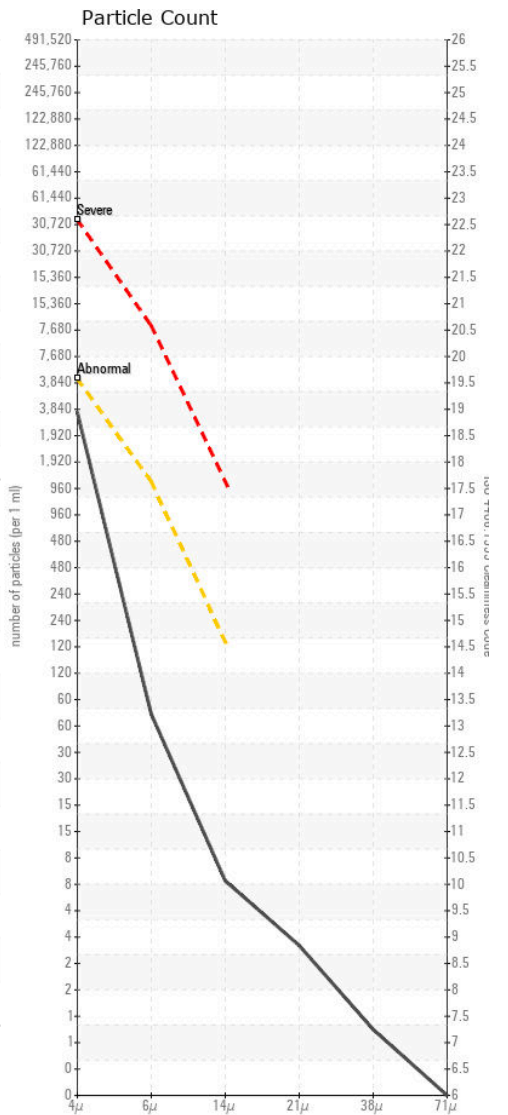
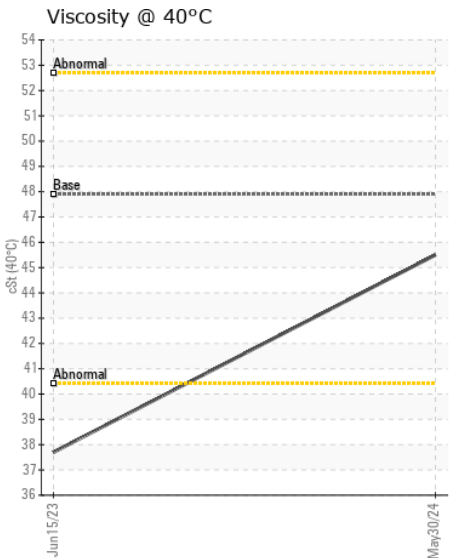
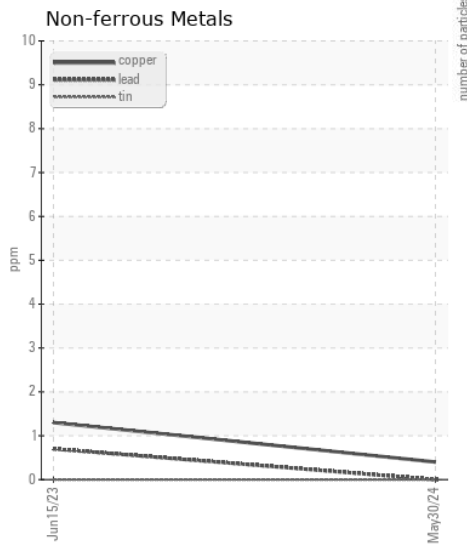
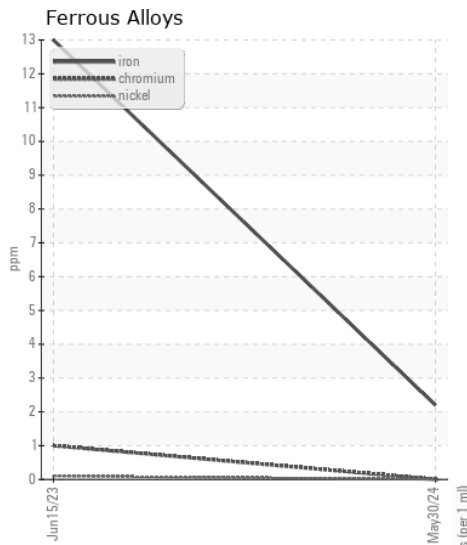
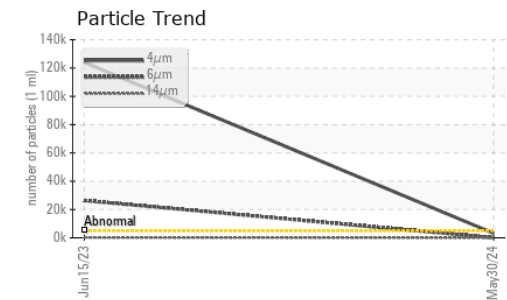
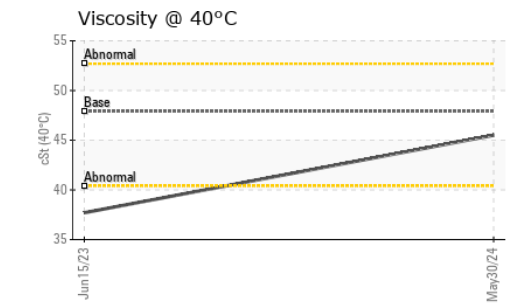
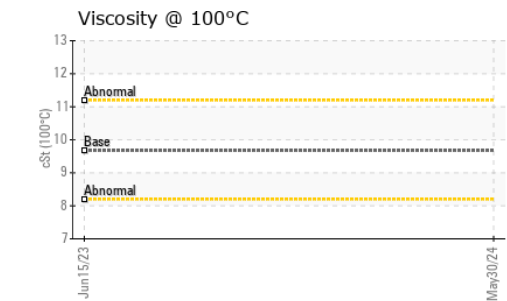
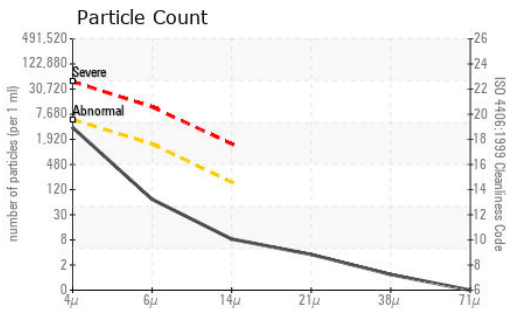
La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable.

Silicon	ppm	ASTM D5185(m)	>15	<b>0</b>	3	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	8	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>5000	<b>3222</b>	▲ 123929	---
Particles >6µm		ASTM D7647	>1300	<b>62</b>	▲ 26292	---
Particles >14µm		ASTM D7647	>160	<b>7</b>	128	---
Particles >21µm		ASTM D7647	>40	<b>3</b>	15	---
Particles >38µm		ASTM D7647	>10	<b>1</b>	0	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>19/13/10</b>	▲ 24/22/14	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
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**

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	7	---
Boron	ppm	ASTM D5185(m)	0	<b>18</b>	13	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>8</b>	4	---
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	0	<b>94</b>	46	---
Calcium	ppm	ASTM D5185(m)	100	<b>252</b>	137	---
Phosphorus	ppm	ASTM D5185(m)	670	<b>676</b>	489	---
Zinc	ppm	ASTM D5185(m)	850	<b>847</b>	558	---
Sulfur	ppm	ASTM D5185(m)	1600	<b>1643</b>	1214	---
Visc @ 40°C	cSt	ASTM D7279(m)	47.9	<b>45.5</b>	▲ 37.7	---
Visc @ 100°C	cSt	ASTM D7279(m)	9.67	<b>8.9</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	192	<b>180</b>	---	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0088353  
**Lab Number** : 02639428  
**Unique Number** : 5788590  
**Test Package** : MOB 1 ( Additional Tests: KV100, PrtCount, VI )

**GFL Environmental 791MAT - Matane**  
 29 rue Brilliant  
 Matane, QC  
 CA G4W 0J7  
 Contact: B Berube  
 bberube@matrec.ca

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.