



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

Machine Id  
**500218**

Component  
**Hydraulic System**

Fluid  
**PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL (40 LTR)**

**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>PC0069634</b>	PC0061779	PC0062584
Sample Date		Client Info		<b>05 Jan 2024</b>	16 May 2023	16 May 2023
Machine Age	hrs	Client Info		<b>4203</b>	9883	4883
Oil Age	hrs	Client Info		<b>0</b>	4883	4883
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Filter Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	1
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>20	<b>0</b>	0	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)	>20	<b>&lt;1</b>	0	<1
Lead	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>20	<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

**CONTAMINATION**

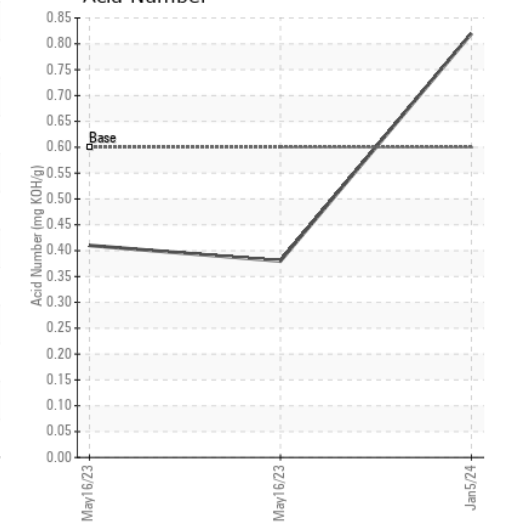
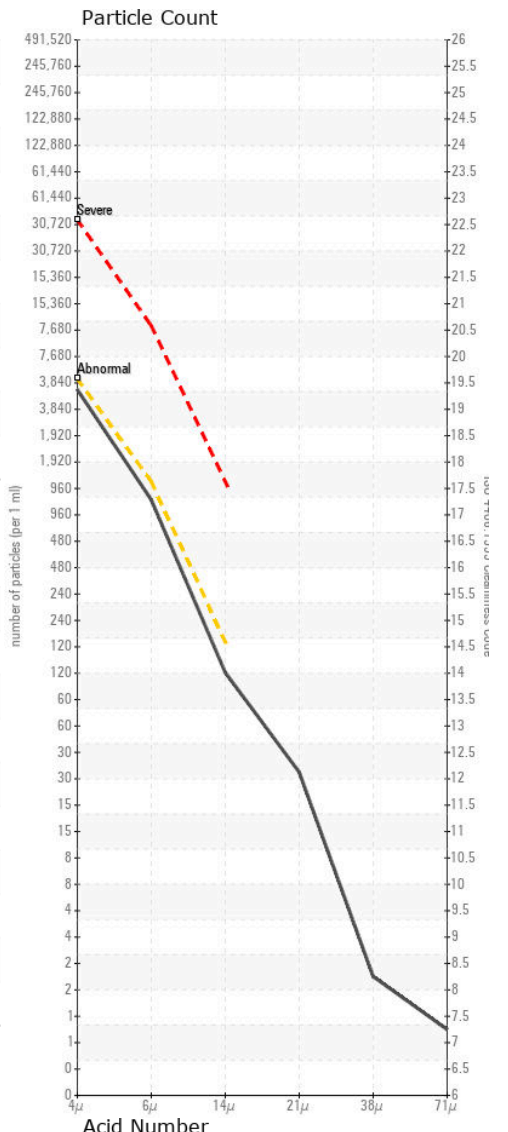
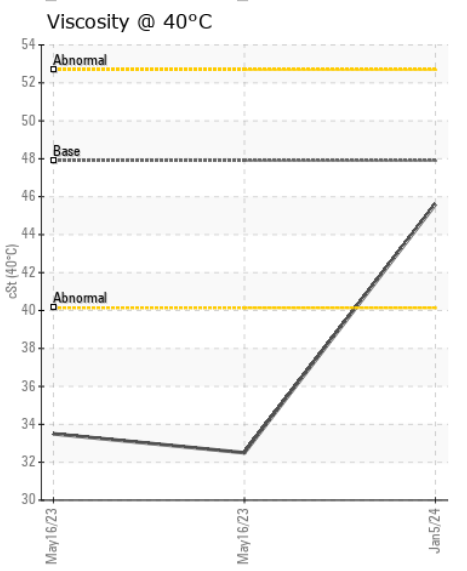
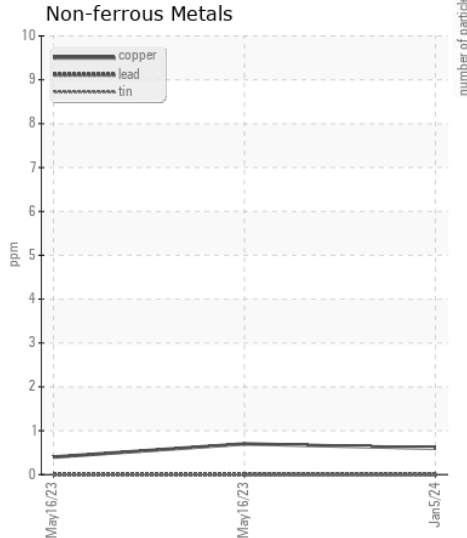
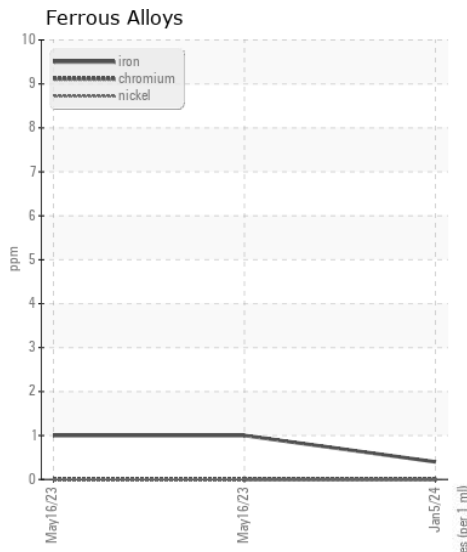
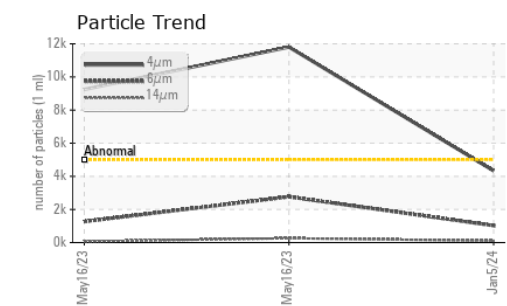
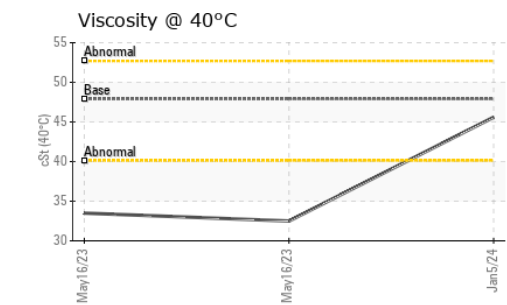
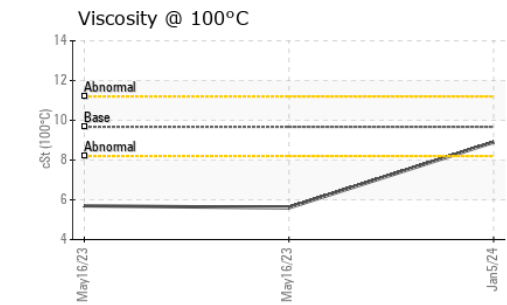
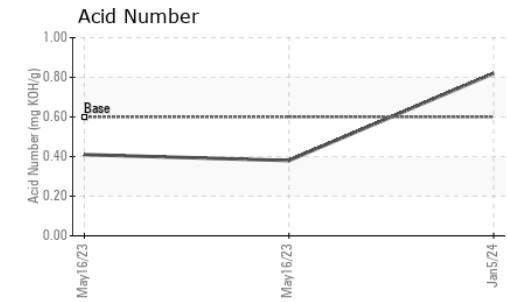
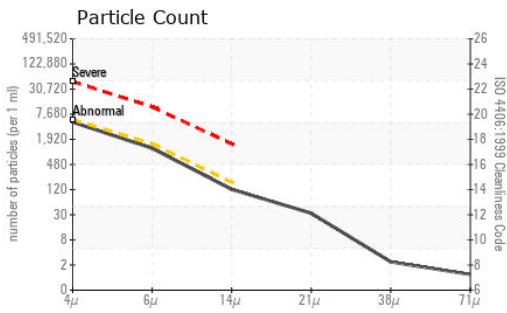
La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable.

Silicon	ppm	ASTM D5185(m)	>15	<b>6</b>	7	▲ 21
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	0
Water		WC Method	>0.05	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>4331</b>	▲ 9247	▲ 11804
Particles >6µm		ASTM D7647	>1300	<b>1025</b>	1270	▲ 2765
Particles >14µm		ASTM D7647	>160	<b>107</b>	68	▲ 261
Particles >21µm		ASTM D7647	>40	<b>29</b>	19	▲ 76
Particles >38µm		ASTM D7647	>10	<b>2</b>	1	2
Particles >71µm		ASTM D7647	>3	<b>1</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>19/17/14</b>	▲ 20/17/13	▲ 21/19/15
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
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*	>0.05	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

Le AN est acceptable pour ce fluide. L'état de l'huile permet de prolonger l'utilisation.

Sodium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Boron	ppm	ASTM D5185(m)	0	<b>0</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>8</b>	▲ 59	▲ 55
Calcium	ppm	ASTM D5185(m)	100	<b>91</b>	▲ 8	▲ 8
Phosphorus	ppm	ASTM D5185(m)	670	<b>600</b>	▲ 256	▲ 247
Zinc	ppm	ASTM D5185(m)	850	<b>767</b>	▲ 301	▲ 287
Sulfur	ppm	ASTM D5185(m)	1600	<b>1532</b>	▲ 883	▲ 965
Acid Number (AN)	mg KOH/g	ASTM D974*	0.60	<b>0.82</b>	0.38	0.41
Visc @ 40°C	cSt	ASTM D7279(m)	47.9	<b>45.6</b>	▲ 32.5	▲ 33.5
Visc @ 100°C	cSt	ASTM D7279(m)	9.67	<b>8.9</b>	5.6	5.7
Viscosity Index (VI)	Scale	ASTM D2270*	192	<b>179</b>	▲ 110	▲ 109



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0069634  
**Lab Number** : 02610591  
**Unique Number** : 5711677  
**Test Package** : IND 2 ( Additional Tests: KV100, VI )

**Received** : 23 Jan 2024  
**Tested** : 24 Jan 2024  
**Diagnosed** : 24 Jan 2024 - Wes Davis

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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