



WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL



Machine Id
830018
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX MV 32 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vérifier tous les endroits par lesquels des contaminants peuvent pénétrer dans le système. Nous vous recommandons de remplacer le filtre et d'utiliser un système de filtrage hors-ligne afin d'améliorer la propreté du fluide. 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 dessicant. Si évalué, nous vous recommandons de réparer / remplacer le reniflard. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0088661	PC0075421	---
Sample Date		Client Info		14 May 2024	01 Jun 2023	---
Machine Age	kms	Client Info		195045	0	---
Oil Age	kms	Client Info		195045	0	---
Filter Age	kms	Client Info		195045	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				SEVERE	ABNORMAL	---

WEAR

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

Iron	ppm	ASTM D5185(m)	>40	11	8	---
Chromium	ppm	ASTM D5185(m)	>5	1	1	---
Nickel	ppm	ASTM D5185(m)	>2	0	0	---
Titanium	ppm	ASTM D5185(m)	>2	0	<1	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>8	1	<1	---
Lead	ppm	ASTM D5185(m)	>5	0	0	---
Copper	ppm	ASTM D5185(m)	>20	1	<1	---
Tin	ppm	ASTM D5185(m)	>2	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

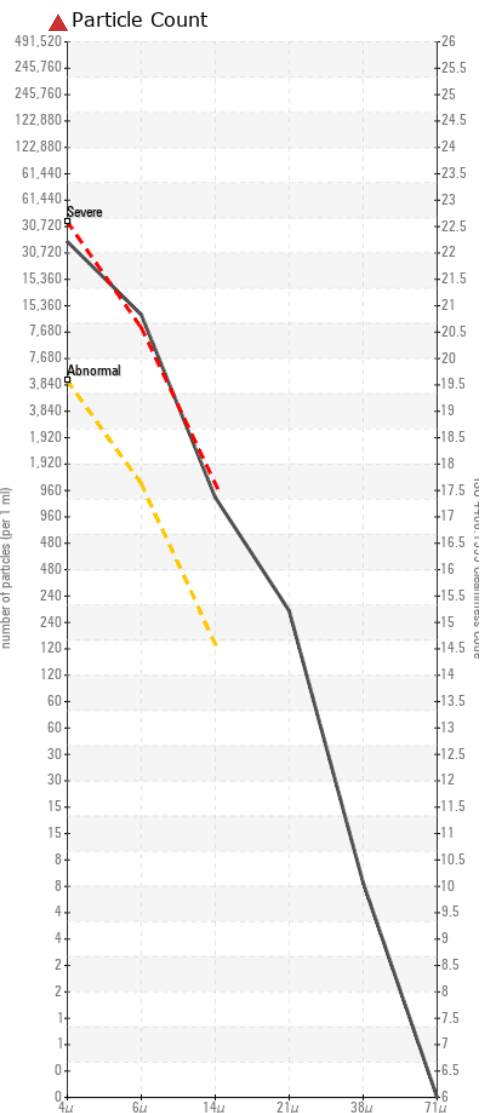
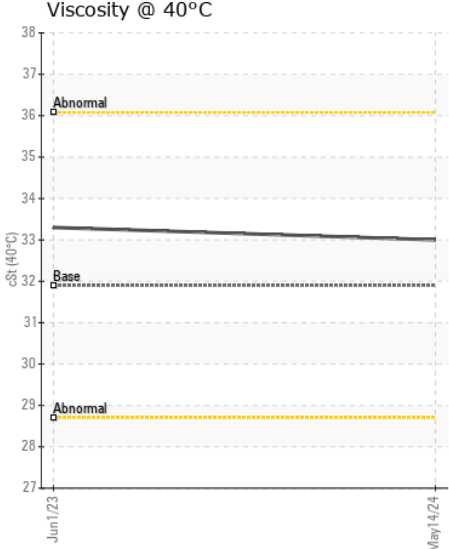
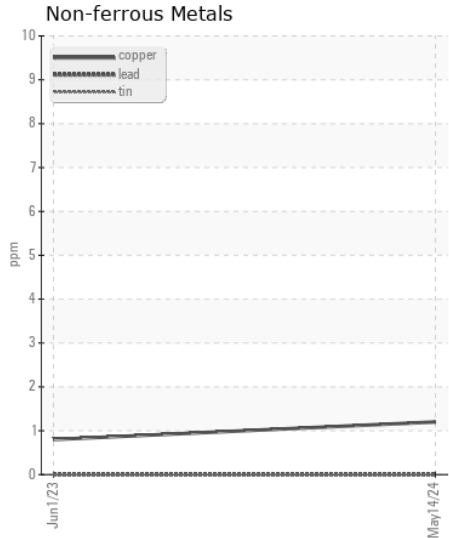
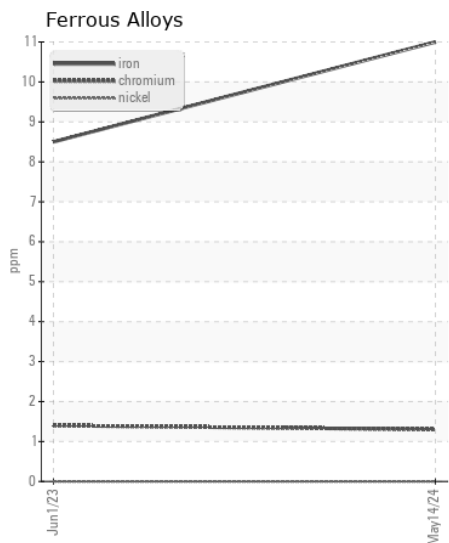
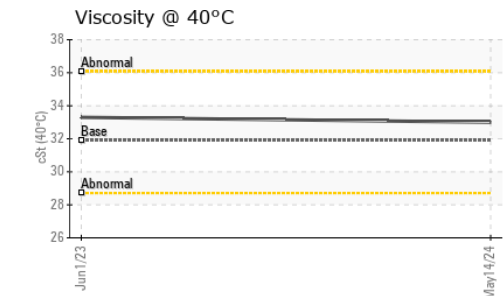
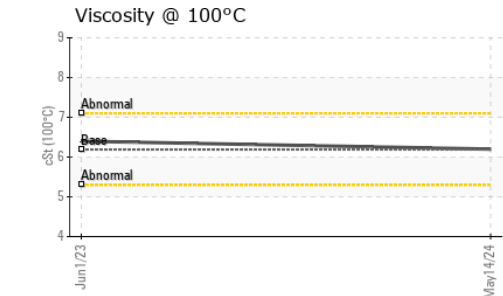
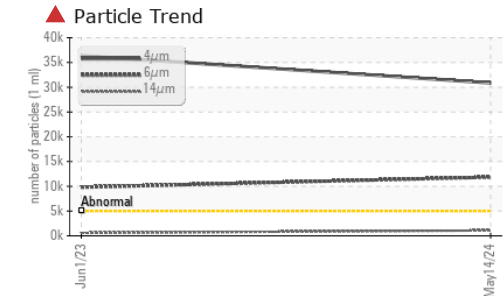
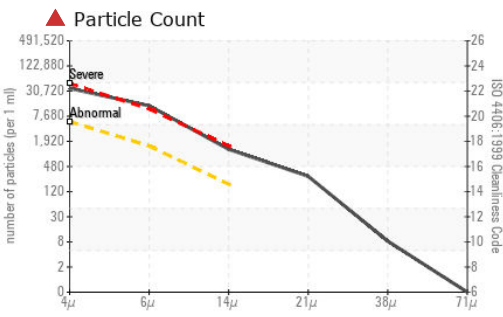
Il y a une quantité élevée de matières particulaires (2 à 100 µm de taille) présente dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	2	2	---
Potassium	ppm	ASTM D5185(m)	>20	10	6	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	▲ 30872	▲ 36375	---
Particles >6µm		ASTM D7647	>1300	▲ 11848	▲ 9815	---
Particles >14µm		ASTM D7647	>160	▲ 1085	▲ 578	---
Particles >21µm		ASTM D7647	>40	▲ 246	▲ 111	---
Particles >38µm		ASTM D7647	>10	7	1	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 22/21/17	▲ 22/20/16	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---

FLUID CONDITION

L'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

Sodium	ppm	ASTM D5185(m)		6	4	---
Boron	ppm	ASTM D5185(m)	0	6	7	---
Barium	ppm	ASTM D5185(m)	0	<1	0	---
Molybdenum	ppm	ASTM D5185(m)	0	4	5	---
Manganese	ppm	ASTM D5185(m)	1	<1	<1	---
Magnesium	ppm	ASTM D5185(m)	0	56	66	---
Calcium	ppm	ASTM D5185(m)	50	148	170	---
Phosphorus	ppm	ASTM D5185(m)	330	385	453	---
Zinc	ppm	ASTM D5185(m)	430	467	500	---
Sulfur	ppm	ASTM D5185(m)	760	911	1009	---
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	33.0	33.3	---
Visc @ 100°C	cSt	ASTM D7279(m)	6.19	6.2	6.4	---
Viscosity Index (VI)	Scale	ASTM D2270*	147	139	147	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088661 **Received** : 16 May 2024
Lab Number : **02636121** **Tested** : 17 May 2024
Unique Number : 5785283 **Diagnosed** : 17 May 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV100, PrtCount, VI)

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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.