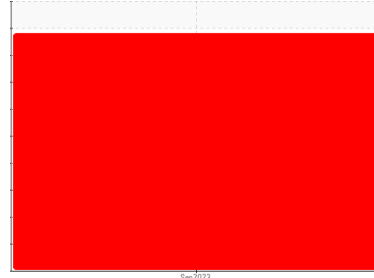




Machine Id
931042

Component
Hydraulic System

Fluid
PETRO CANADA HYDREX MV 32 (--- GAL)



DIAGNOSIS

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 dessiccant. Si évalué, nous vous recommandons de réparer / remplacer le reniflard. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

Wear

Le taux de chrome est anormal.

Contamination

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

Fluid Condition

l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC0071756	---	---
Sample Date	Client Info	13 Sep 2023	---	---
Machine Age	hrs Client Info	3811	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		SEVERE	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)	>20	13	---	---
Chromium ppm ASTM D5185(m)	>10	▲ 12	---	---
Nickel ppm ASTM D5185(m)	>10	0	---	---
Titanium ppm ASTM D5185(m)		0	---	---
Silver ppm ASTM D5185(m)		<1	---	---
Aluminum ppm ASTM D5185(m)	>10	2	---	---
Lead ppm ASTM D5185(m)	>10	<1	---	---
Copper ppm ASTM D5185(m)	>75	3	---	---
Tin ppm ASTM D5185(m)	>10	0	---	---
Antimony ppm ASTM D5185(m)		0	---	---
Vanadium ppm ASTM D5185(m)		0	---	---
Beryllium ppm ASTM D5185(m)		0	---	---
Cadmium ppm ASTM D5185(m)		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185(m)	0	<1	---	---
Barium ppm ASTM D5185(m)	0	<1	---	---
Molybdenum ppm ASTM D5185(m)	0	0	---	---
Manganese ppm ASTM D5185(m)	1	0	---	---
Magnesium ppm ASTM D5185(m)	0	4	---	---
Calcium ppm ASTM D5185(m)	50	50	---	---
Phosphorus ppm ASTM D5185(m)	330	312	---	---
Zinc ppm ASTM D5185(m)	430	375	---	---
Sulfur ppm ASTM D5185(m)	760	710	---	---
Lithium ppm ASTM D5185(m)		<1	---	---

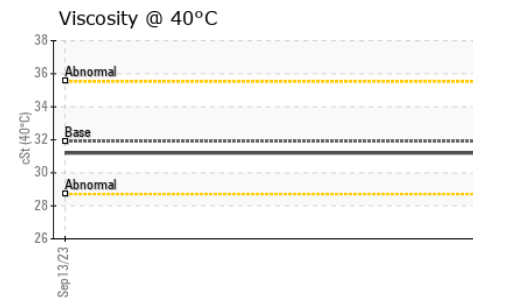
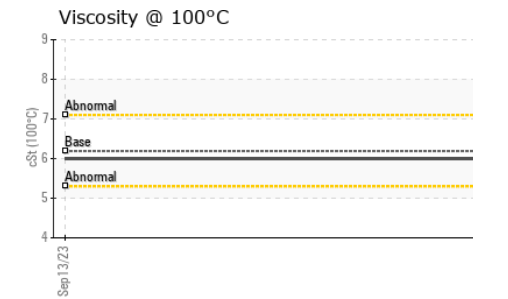
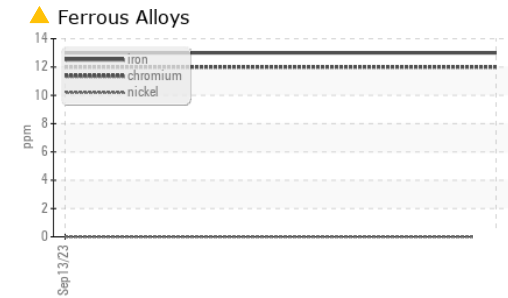
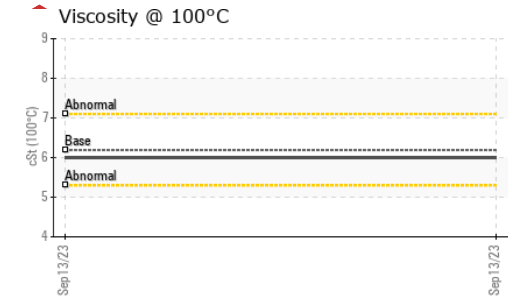
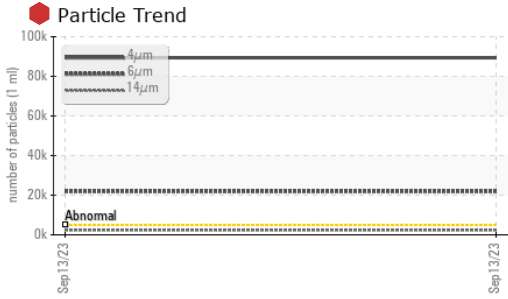
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>20	6	---	---
Sodium ppm ASTM D5185(m)		9	---	---
Potassium ppm ASTM D5185(m)	>20	2	---	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>5000	● 89375	---	---
Particles >6µm ASTM D7647	>1300	● 21936	---	---
Particles >14µm ASTM D7647	>160	● 2368	---	---
Particles >21µm ASTM D7647	>40	● 700	---	---
Particles >38µm ASTM D7647	>10	▲ 24	---	---
Particles >71µm ASTM D7647	>3	2	---	---
Oil Cleanliness ISO 4406 (c)	>19/17/14	● 24/22/18	---	---

OIL ANALYSIS REPORT

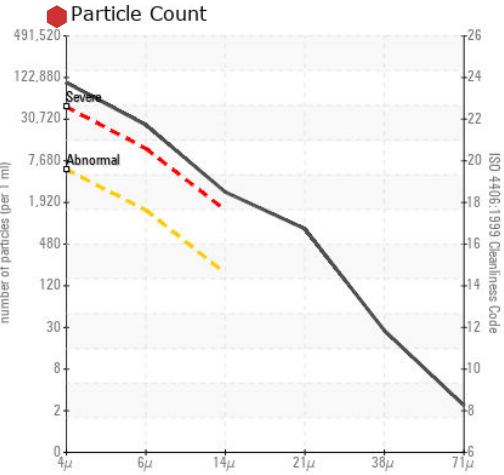
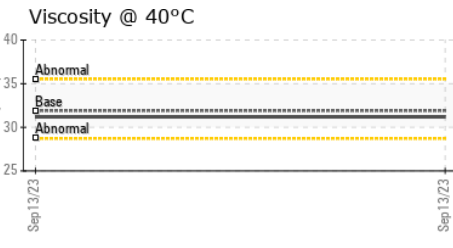
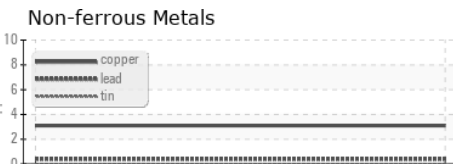
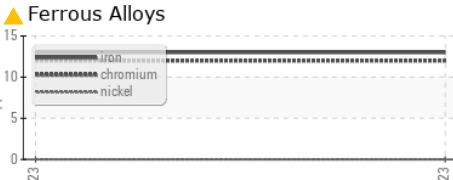


VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	31.2	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	6.19	6	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	147	141	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 742 - Quebec City Solid Waste
Sample No. : PC0071756 **Received** : 27 Sep 2023 5160 Jean-Talon Pierre-Bertrand Bou
Lab Number : 02585574 **Diagnosed** : 28 Sep 2023 Quebec City, QC
Unique Number : 5646639 **Diagnostician** : Kevin Marson CA G2J 1B7
Test Package : MOB 1 (Additional Tests: KV100, PrtCount, VI) Contact: Nadia Picard
 To discuss this sample report, contact Customer Service at 1-800-268-2131. npicard@matrec.ca
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T:
 Validity of results and interpretation are based on the sample and information as supplied. F: