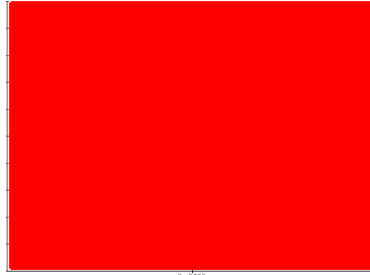




Machine Id
911028
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX MV 32 (--- GAL)



DIAGNOSIS

Recommendation

Vérifier les scelles et/ou les filters pour des points d'entrée des contaminants. Nous vous recommandons de vérifier tous les endroits par lesquels de la saleté peut pénétrer dans le système. 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 recommandons le remplacement des filtres de ce composant. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation.

Wear

Usure de segment. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion.

Contamination

Il y a une grande quantité de limon (particules de 4 à 14 microns) dans l'huile. Les niveaux élémentaires de silicone (Si) et d'aluminium (Al) indiquent l'infiltration d'alumine-silicate (grosses particules de poussière). Une grande quantité de saleté a provoqué une usure abrasive du composant.

Fluid Condition

La viscosité de l'échantillon se situe dans la portée de l'ISO 46; nous vous conseillons de vérifier. 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	PC0078509	---	---
Sample Date	Client Info	30 Oct 2023	---	---
Machine Age	hrs Client Info	6055	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		SEVERE	---	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	12	---	---
Iron	ppm ASTM D5185(m) >50	153	---	---
Chromium	ppm ASTM D5185(m) >10	15	---	---
Nickel	ppm ASTM D5185(m) >4	<1	---	---
Titanium	ppm ASTM D5185(m)	0	---	---
Silver	ppm ASTM D5185(m)	<1	---	---
Aluminum	ppm ASTM D5185(m) >5	7	---	---
Lead	ppm ASTM D5185(m) >4	<1	---	---
Copper	ppm ASTM D5185(m) >15	2	---	---
Tin	ppm ASTM D5185(m) >4	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	2	---	---
Barium	ppm ASTM D5185(m) 0	<1	---	---
Molybdenum	ppm ASTM D5185(m) 0	<1	---	---
Manganese	ppm ASTM D5185(m) 1	1	---	---
Magnesium	ppm ASTM D5185(m) 0	10	---	---
Calcium	ppm ASTM D5185(m) 50	93	---	---
Phosphorus	ppm ASTM D5185(m) 330	381	---	---
Zinc	ppm ASTM D5185(m) 430	481	---	---
Sulfur	ppm ASTM D5185(m) 760	1024	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

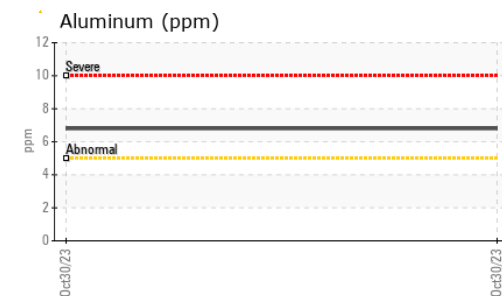
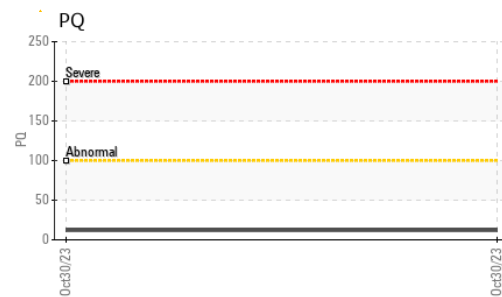
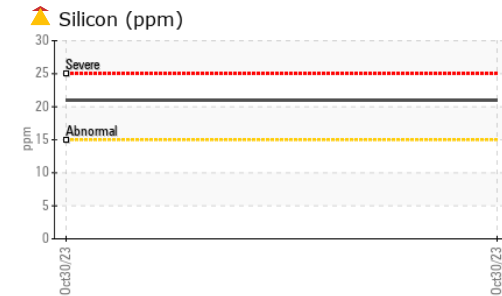
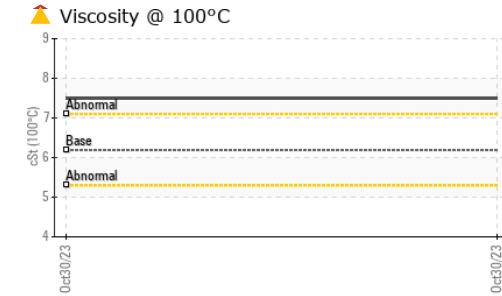
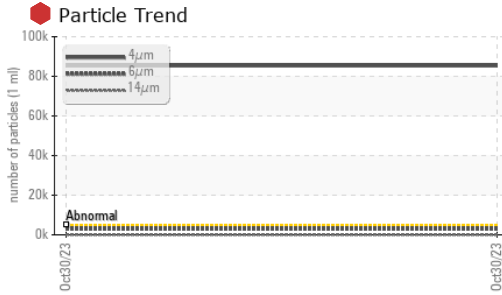
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >15	21	---	---
Sodium	ppm ASTM D5185(m)	33	---	---
Potassium	ppm ASTM D5185(m) >20	5	---	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	85341	---	---
Particles >6µm	ASTM D7647 >1300	2955	---	---
Particles >14µm	ASTM D7647 >160	27	---	---
Particles >21µm	ASTM D7647 >40	10	---	---
Particles >38µm	ASTM D7647 >10	2	---	---
Particles >71µm	ASTM D7647 >3	1	---	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	24/19/12	---	---

OIL ANALYSIS REPORT

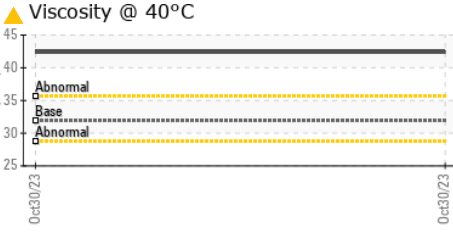
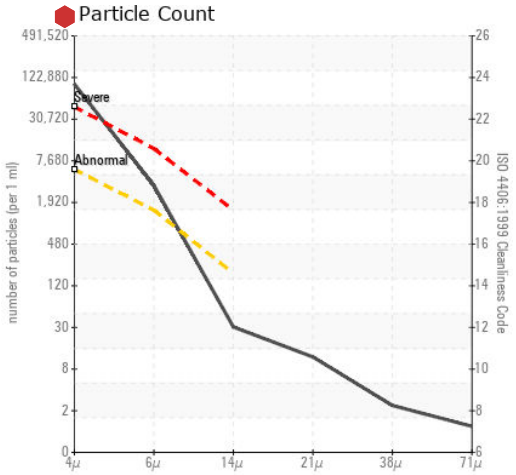
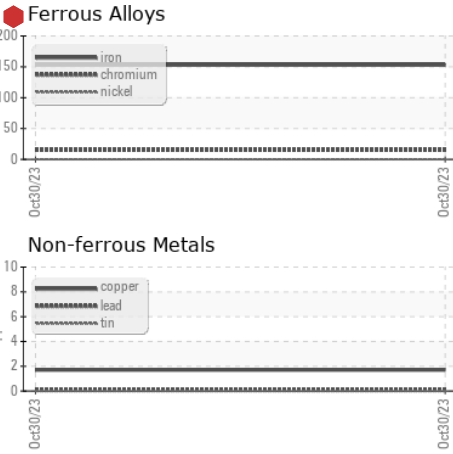


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	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	▲ 42.4	---
Visc @ 100°C	cSt	ASTM D7279(m)	6.19	▲ 7.5	---
Viscosity Index (VI)	Scale	ASTM D2270*	147	144	---

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. : PC0078509 **Received** : 06 Nov 2023 5160 Jean-Talon Pierre-Bertrand Bou
Lab Number : 02594454 **Diagnosed** : 08 Nov 2023 Quebec City, QC
Unique Number : 5671533 **Diagnostician** : Kevin Marson CA G2J 1B7
Test Package : MOB 1 (Additional Tests: KV100, PQ, PrtCount, VI) Contact: Jean Audet
 Jaudet@matrec.ca
 T: (418)624-0080
 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.