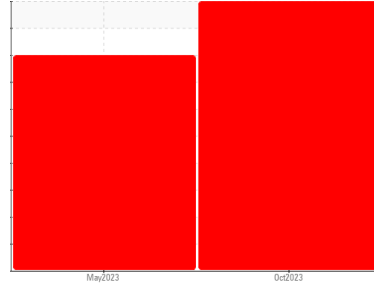




Machine Id
801231

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. Confirm the source of the lubricant being utilized for top-up/fill. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation.

Wear

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

Contamination

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

Fluid Condition

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PC0078507	PC0067969	---
Sample Date	Client Info		10 Oct 2023	10 May 2023	---
Machine Age	hrs	Client Info	18478	17520	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			SEVERE	SEVERE	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >40	20	18	---
Chromium	ppm	ASTM D5185(m) >5	2	2	---
Nickel	ppm	ASTM D5185(m) >2	<1	0	---
Titanium	ppm	ASTM D5185(m) >2	0	<1	---
Silver	ppm	ASTM D5185(m)	<1	0	---
Aluminum	ppm	ASTM D5185(m) >8	2	2	---
Lead	ppm	ASTM D5185(m) >5	<1	<1	---
Copper	ppm	ASTM D5185(m) >20	3	2	---
Tin	ppm	ASTM D5185(m) >2	0	0	---
Antimony	ppm	ASTM D5185(m) >2	0	0	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 0	11	11	---
Barium	ppm	ASTM D5185(m) 0	<1	0	---
Molybdenum	ppm	ASTM D5185(m) 0	7	7	---
Manganese	ppm	ASTM D5185(m) 1	0	<1	---
Magnesium	ppm	ASTM D5185(m) 0	82	86	---
Calcium	ppm	ASTM D5185(m) 50	213	220	---
Phosphorus	ppm	ASTM D5185(m) 330	445	505	---
Zinc	ppm	ASTM D5185(m) 430	573	584	---
Sulfur	ppm	ASTM D5185(m) 760	1154	1232	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

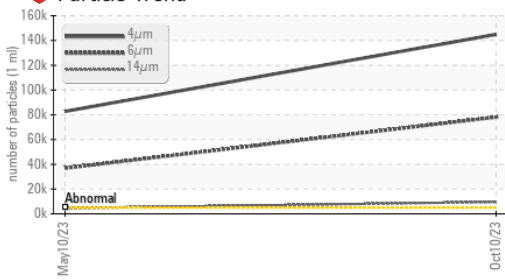
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	6	6	---
Sodium	ppm	ASTM D5185(m)	11	8	---
Potassium	ppm	ASTM D5185(m) >20	10	8	---

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	144883	82727	---
Particles >6µm	ASTM D7647	>1300	78065	36852	---
Particles >14µm	ASTM D7647	>160	9575	4427	---
Particles >21µm	ASTM D7647	>40	2552	1247	---
Particles >38µm	ASTM D7647	>10	252	42	---
Particles >71µm	ASTM D7647	>3	28	1	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	24/23/20	24/22/19	---

OIL ANALYSIS REPORT

Particle Trend



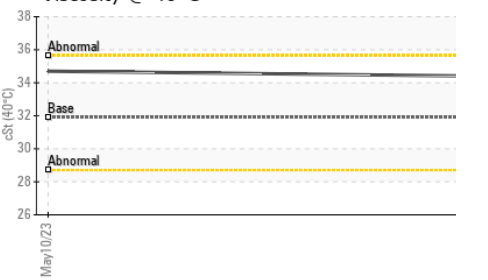
Viscosity @ 100°C



Viscosity @ 100°C



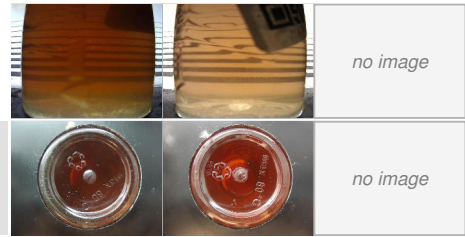
Viscosity @ 40°C



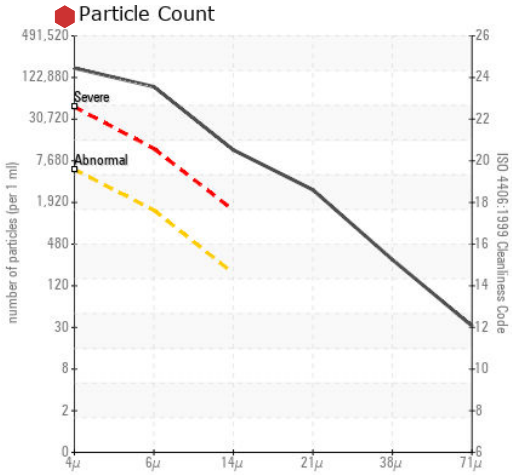
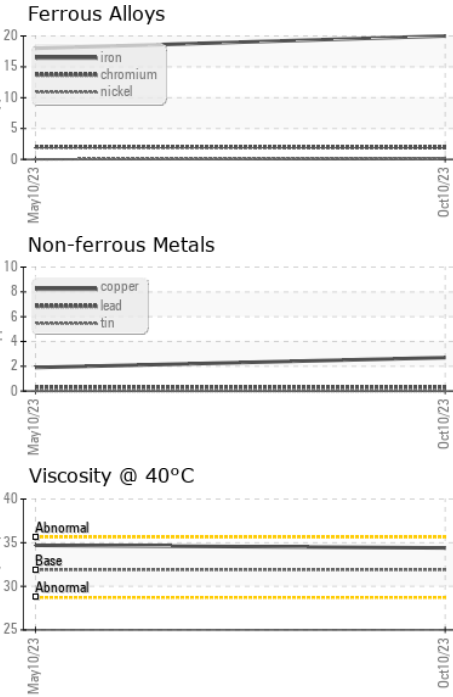
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	LIGHT	NONE
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	34.4	34.7
Visc @ 100°C	cSt	ASTM D7279(m)	6.19	6.7	6.7
Viscosity Index (VI)	Scale	ASTM D2270*	147	155	153

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 742 - Quebec City Solid Waste
Sample No. : PC0078507 **Received** : 13 Oct 2023 5160 Jean-Talon Pierre-Bertrand Bou
Lab Number : 02588926 **Diagnosed** : 16 Oct 2023 Quebec City, QC
Unique Number : 5657992 **Diagnostician** : Kevin Marson CA G2J 1B7
Test Package : MOB 1 (Additional Tests: KV100, PrtCount, VI) Contact: Jean Audet

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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