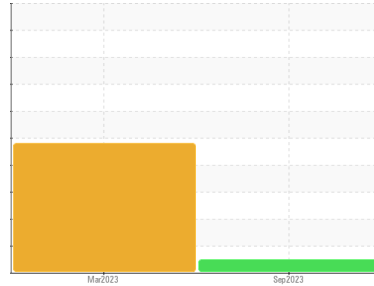




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
711034
 Component
Hydraulic System
 Fluid
PETRO CANADA HYDREX MV 32 (--- GAL)

DIAGNOSIS

Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Wear

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

Contamination

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

Fluid Condition

L'état de l'huile est acceptable pour la durée de service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0088859	GFL0073471	---
Sample Date	Client Info		22 Sep 2023	24 Mar 2023	---
Machine Age	hrs	Client Info	0	4402	---
Oil Age	hrs	Client Info	0	1200	---
Oil Changed	Client Info		Not Chngd	Not Chngd	---
Sample Status			NORMAL	SEVERE	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >50	0	15	---
Chromium	ppm	ASTM D5185(m) >10	0	1	---
Nickel	ppm	ASTM D5185(m) >4	0	0	---
Titanium	ppm	ASTM D5185(m)	0	<1	---
Silver	ppm	ASTM D5185(m)	<1	0	---
Aluminum	ppm	ASTM D5185(m) >5	0	2	---
Lead	ppm	ASTM D5185(m) >4	<1	0	---
Copper	ppm	ASTM D5185(m) >15	<1	2	---
Tin	ppm	ASTM D5185(m) >4	0	0	---
Antimony	ppm	ASTM D5185(m)	0	<1	---
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	1	<1	---
Barium	ppm	ASTM D5185(m) 0	<1	0	---
Molybdenum	ppm	ASTM D5185(m) 0	0	<1	---
Manganese	ppm	ASTM D5185(m) 1	0	<1	---
Magnesium	ppm	ASTM D5185(m) 0	94	17	---
Calcium	ppm	ASTM D5185(m) 50	75	76	---
Phosphorus	ppm	ASTM D5185(m) 330	267	363	---
Zinc	ppm	ASTM D5185(m) 430	345	418	---
Sulfur	ppm	ASTM D5185(m) 760	645	805	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

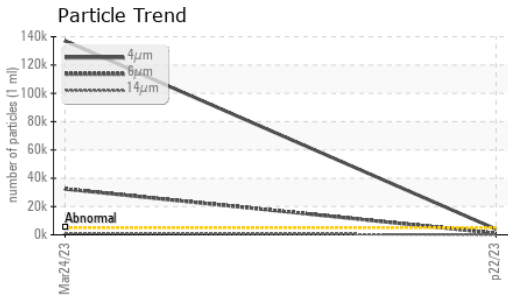
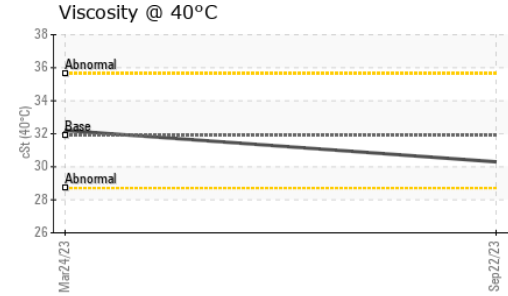
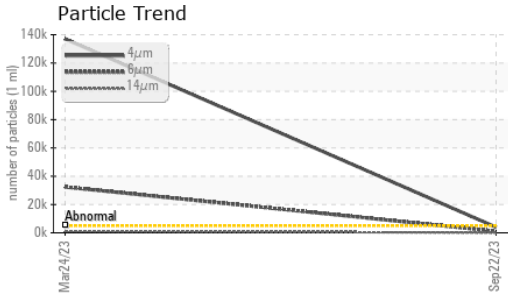
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	<1	6	---
Sodium	ppm	ASTM D5185(m)	2	19	---
Potassium	ppm	ASTM D5185(m) >20	<1	1	---

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	3981	137046	---
Particles >6µm	ASTM D7647	>1300	1119	32411	---
Particles >14µm	ASTM D7647	>160	57	1165	---
Particles >21µm	ASTM D7647	>40	10	153	---
Particles >38µm	ASTM D7647	>10	1	1	---
Particles >71µm	ASTM D7647	>3	0	0	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	19/17/13	24/22/17	---



OIL ANALYSIS REPORT



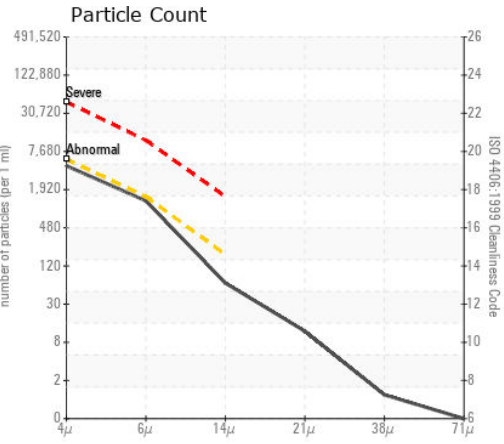
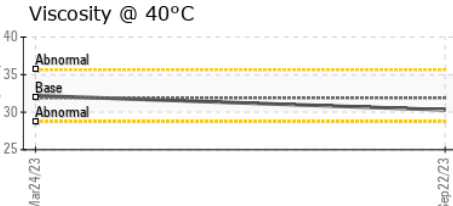
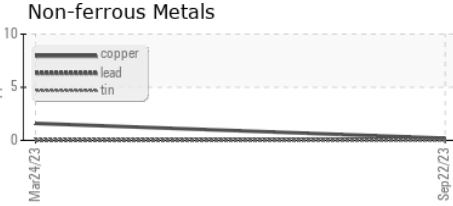
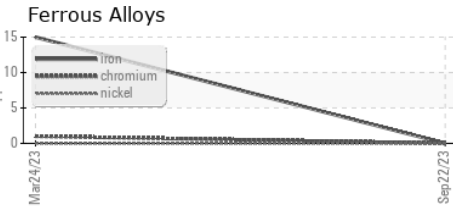
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	▲ LIGHT	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	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	30.3	32.2	---

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

GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste
Sample No. : GFL0088859 **Received** : 12 Oct 2023
Lab Number : 02588639 **Diagnosed** : 13 Oct 2023
Unique Number : 5657705 **Diagnostician** : Wes Davis
Test Package : MOB 1 (Additional Tests: PrtCount)

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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