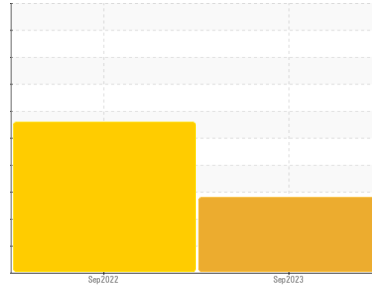




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
4750

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. 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. Nous recommandons le remplacement des filtres de ce composant. 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 grande quantité de limon (particules de 4 à 14 microns) dans l'huile.

Fluid Condition

La viscosité de l'échantillon se situe dans la portée de l'ISO 22; nous vous conseillons de vérifier. 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	GFL0081334	GFL0044112	---
Sample Date	Client Info	12 Sep 2023	30 Sep 2022	---
Machine Age	hrs	0	0	---
Oil Age	hrs	0	0	---
Oil Changed	Client Info	Not Changed	N/A	---
Sample Status		SEVERE	SEVERE	---

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >40	6	▲ 30	---
Chromium	ppm	ASTM D5185(m) >5	3	▲ 12	---
Nickel	ppm	ASTM D5185(m) >2	<1	<1	---
Titanium	ppm	ASTM D5185(m) >2	0	<1	---
Silver	ppm	ASTM D5185(m)	2	0	---
Aluminum	ppm	ASTM D5185(m) >8	<1	2	---
Lead	ppm	ASTM D5185(m) >5	2	<1	---
Copper	ppm	ASTM D5185(m) >20	1	4	---
Tin	ppm	ASTM D5185(m) >2	0	<1	---
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)	<1	0	---

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m) 0	3	7	---
Barium	ppm	ASTM D5185(m) 0	0	0	---
Molybdenum	ppm	ASTM D5185(m) 0	<1	2	---
Manganese	ppm	ASTM D5185(m) 1	0	<1	---
Magnesium	ppm	ASTM D5185(m) 0	19	29	---
Calcium	ppm	ASTM D5185(m) 50	97	605	---
Phosphorus	ppm	ASTM D5185(m) 330	353	607	---
Zinc	ppm	ASTM D5185(m) 430	410	645	---
Sulfur	ppm	ASTM D5185(m) 760	836	1732	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

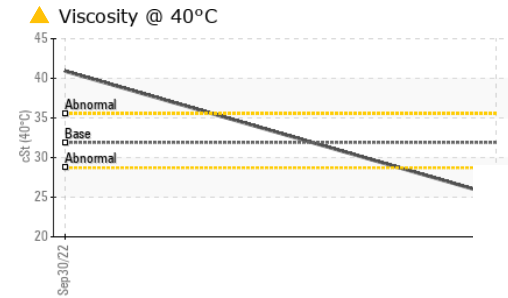
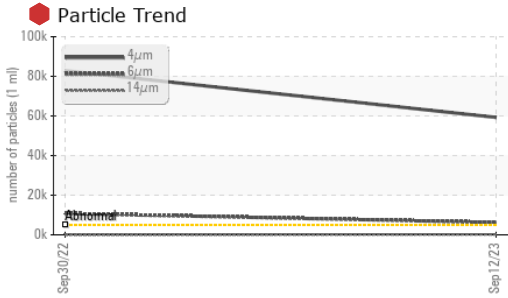
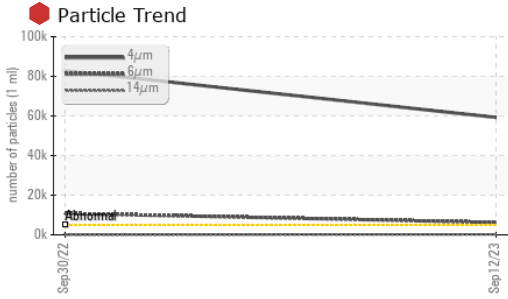
CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >20	2	5	---
Sodium	ppm	ASTM D5185(m)	2	7	---
Potassium	ppm	ASTM D5185(m) >20	<1	<1	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	59259	82837	---
Particles >6µm	ASTM D7647 >1300	6215	10779	---
Particles >14µm	ASTM D7647 >160	184	28	---
Particles >21µm	ASTM D7647 >40	33	6	---
Particles >38µm	ASTM D7647 >10	1	1	---
Particles >71µm	ASTM D7647 >3	0	0	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	23/20/15	24/21/12	---

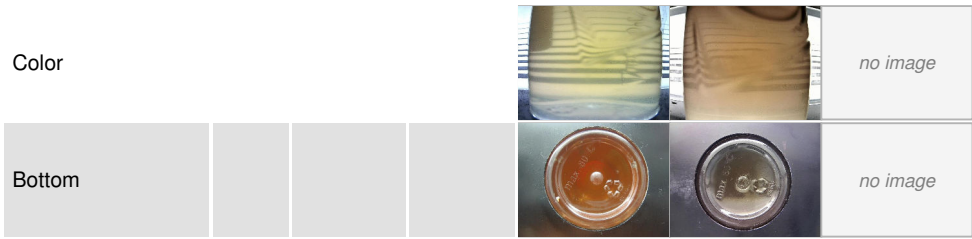
OIL ANALYSIS REPORT



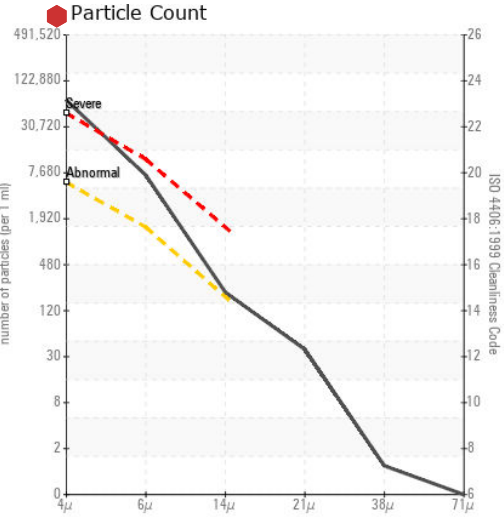
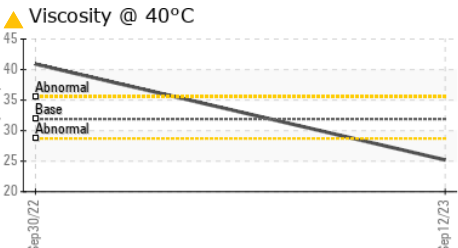
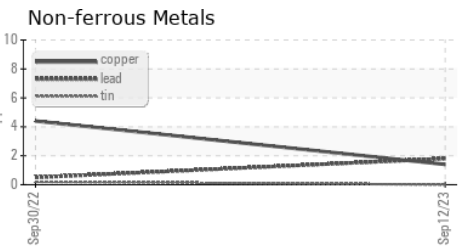
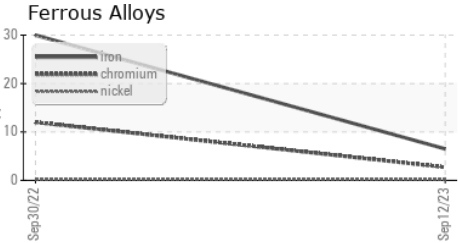
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	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 ▲ 25.2	▲ 40.9	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 736 - Trois-Rivieres
Sample No. : GFL0081334 **Received** : 15 Sep 2023
Lab Number : 02582872 **Diagnosed** : 18 Sep 2023
Unique Number : 5643937 **Diagnostician** : Bill Quesnel
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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