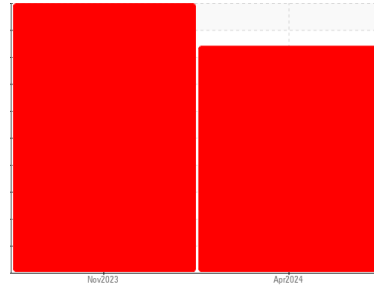




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
OR1110
 Component
Hydraulic System
 Fluid
SAE 10W (--- 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 dessicant. 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 fer est anormal. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion.

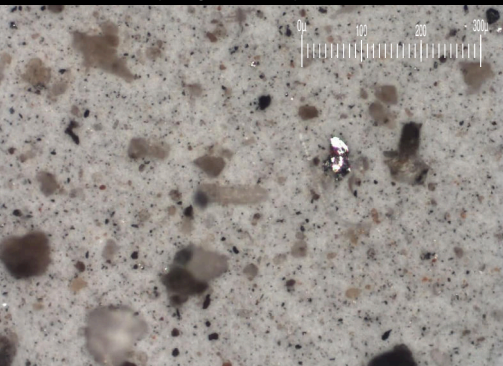
▲ Contamination

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.

Particle Filter (Magn: 100 x)



SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0118311	GFL0067490	---
Sample Date	Client Info		29 Apr 2024	13 Nov 2023	---
Machine Age	hrs	Client Info	5064	5062	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			SEVERE	SEVERE	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		35	19	---
Iron	ppm	ASTM D5185(m) >20	74	35	---
Chromium	ppm	ASTM D5185(m) >10	<1	<1	---
Nickel	ppm	ASTM D5185(m) >10	0	<1	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m)	0	<1	---
Aluminum	ppm	ASTM D5185(m) >10	2	1	---
Lead	ppm	ASTM D5185(m) >10	5	5	---
Copper	ppm	ASTM D5185(m) >75	6	6	---
Tin	ppm	ASTM D5185(m) >10	0	0	---
Antimony	ppm	ASTM D5185(m)	0	0	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

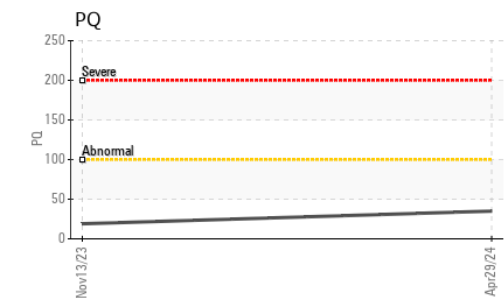
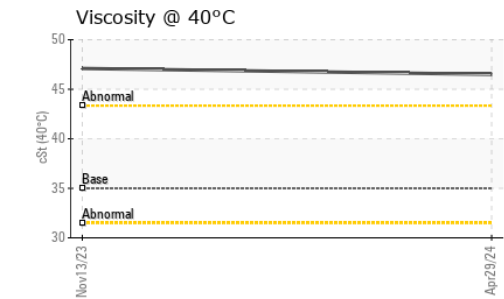
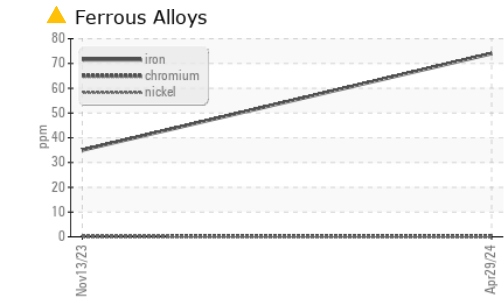
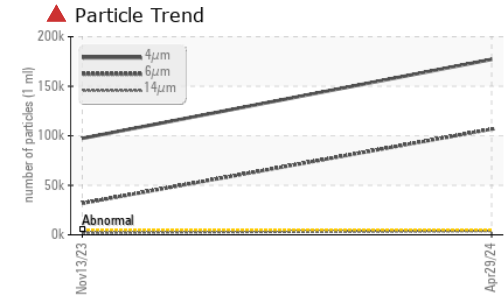
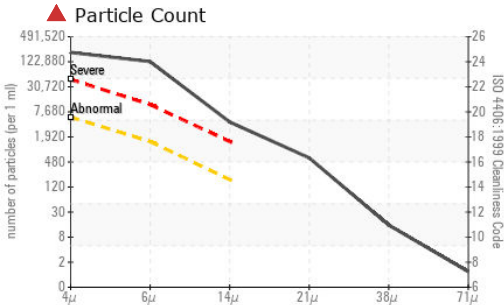
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	92	93	---
Barium	ppm	ASTM D5185(m)	<1	<1	---
Molybdenum	ppm	ASTM D5185(m)	<1	<1	---
Manganese	ppm	ASTM D5185(m)	<1	0	---
Magnesium	ppm	ASTM D5185(m)	17	15	---
Calcium	ppm	ASTM D5185(m)	3277	3125	---
Phosphorus	ppm	ASTM D5185(m)	1029	1027	---
Zinc	ppm	ASTM D5185(m)	1280	1282	---
Sulfur	ppm	ASTM D5185(m)	2884	2804	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	12	8	---
Sodium	ppm	ASTM D5185(m)	3	3	---
Potassium	ppm	ASTM D5185(m) >20	<1	0	---



OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 743 - Montreal Est CD Processing
Sample No. : GFL0118311 **Received** : 02 May 2024 10930 rue Sherbrooke
Lab Number : 02632818 **Tested** : 07 May 2024 Montreal, QC
Unique Number : 5773971 **Diagnosed** : 07 May 2024 - Kevin Marson CA H1B 1B4
Test Package : MOB 1 (Additional Tests: BottomAnalysis, FILTERPATCH, PQ, PrtCount, PrtCount) **Contact:** Patrick Beaulieu
 patrick.beaulieu@gflenv.com

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.

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 177108	▲ 97378	---
Particles >6µm	ASTM D7647	>1300	▲ 106665	▲ 31819	---
Particles >14µm	ASTM D7647	>160	▲ 3825	▲ 2011	---
Particles >21µm	ASTM D7647	>40	▲ 529	▲ 381	---
Particles >38µm	ASTM D7647	>10	13	● 15	---
Particles >71µm	ASTM D7647	>3	1	1	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 25/24/19	▲ 24/22/18	---

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	▲ VLITE	---
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	▲ .2%
Free Water	scalar	Visual*	NEG	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	35.0	46.5	47.1

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

