



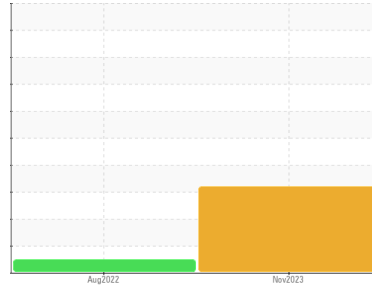
OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY



Machine Id
831009
 Component
Transmission (Auto)
 Fluid
ALLISON TES 295 (--- GAL)



DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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

Il n'y a aucun indice de contamination dans le fluide.

Fluid Condition

La viscosité de l'échantillon se situe dans la portée de l'SAE 40; nous vous conseillons de vérifier. Ceci, en plus des niveaux d'additifs, indique que la marque ou le type d'huile ne correspond pas à ce qui a été signalé. L'état de le fluide est acceptable pour la durée de service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0096371	GFL0053335	---
Sample Date	Client Info		21 Nov 2023	01 Aug 2022	---
Machine Age	kms	Client Info	106129	0	---
Oil Age	kms	Client Info	0	0	---
Oil Changed	Client Info		Not Changed	Not Changed	---
Sample Status			ABNORMAL	NORMAL	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >160	29	107	---
Chromium	ppm	ASTM D5185(m) >5	4	<1	---
Nickel	ppm	ASTM D5185(m) >5	2	<1	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m) >5	<1	0	---
Aluminum	ppm	ASTM D5185(m) >50	4	28	---
Lead	ppm	ASTM D5185(m) >50	14	13	---
Copper	ppm	ASTM D5185(m) >225	3	10	---
Tin	ppm	ASTM D5185(m) >10	2	3	---
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) 150	▲ 11	77	---
Barium	ppm	ASTM D5185(m) 0	<1	<1	---
Molybdenum	ppm	ASTM D5185(m) 0	▲ 69	<1	---
Manganese	ppm	ASTM D5185(m)	<1	3	---
Magnesium	ppm	ASTM D5185(m) 0	▲ 1068	<1	---
Calcium	ppm	ASTM D5185(m) 40	▲ 1637	53	---
Phosphorus	ppm	ASTM D5185(m) 320	▲ 951	250	---
Zinc	ppm	ASTM D5185(m) 5	▲ 1129	10	---
Sulfur	ppm	ASTM D5185(m) 1050	▲ 2207	701	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

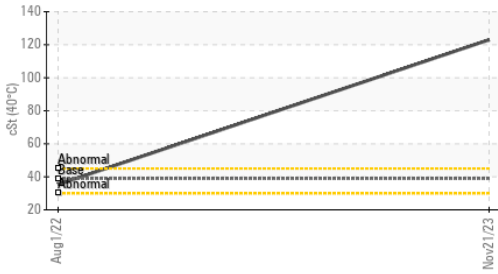
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	9	11	---
Sodium	ppm	ASTM D5185(m)	6	11	---
Potassium	ppm	ASTM D5185(m) >20	<1	4	---

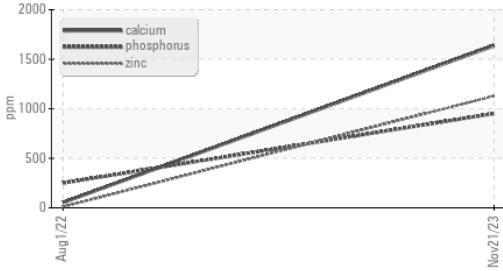


OIL ANALYSIS REPORT

▲ Viscosity @ 40°C



▲ Additives



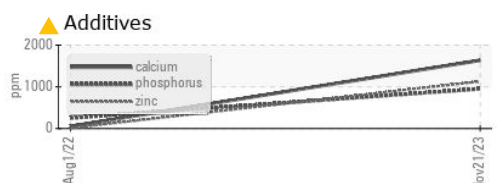
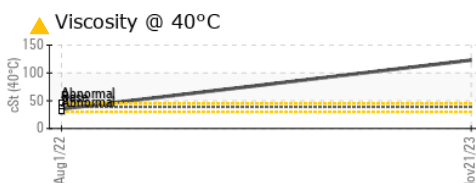
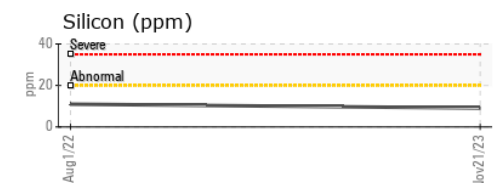
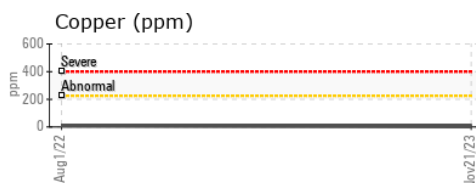
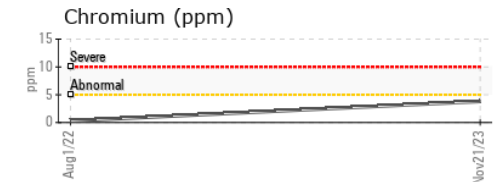
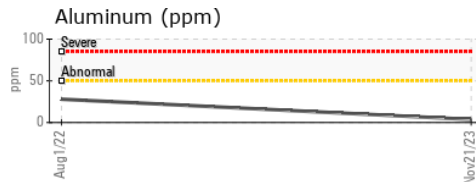
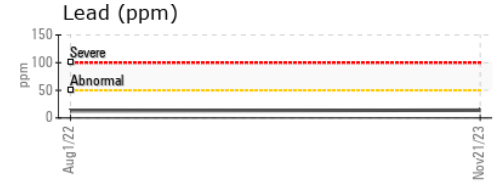
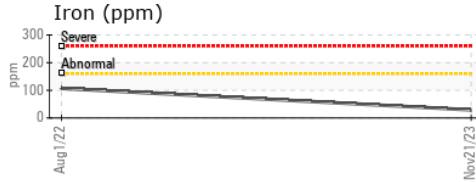
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	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)	38.9 ▲ 123	35.3	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 747 - GMA - Solid Waste
Sample No. : GFL0096371 **Received** : 12 Dec 2023
Lab Number : 02602655 **Diagnosed** : 12 Dec 2023
Unique Number : 5695740 **Diagnostician** : Kevin Marson
Test Package : MOB 1

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.

Contact: Steve Voyer
 svoyer@matrec.ca

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F: