



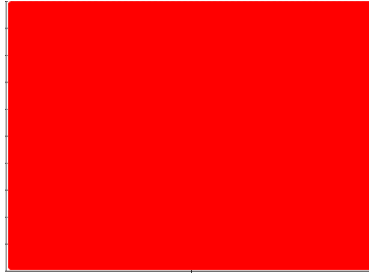
OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
EX0259
Component
Left Planetary
Fluid
SAE 75W90 (--- GAL)



DIAGNOSIS

▲ Recommendation

Nous vous recommandons de vérifier la source de l'infiltration d'eau. Nous vous recommandons de vérifier tous les endroits par lesquels de la saleté peut pénétrer dans le système. Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons de rincer complètement le composant avant de le remplir l'huile. Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

▲ Wear

Usure des engrenages. Usure de palier. Le très haut indice ferreux (PQ) indique la présence d'une usure importante.

▲ Contamination

Concentration modérée d'eau dans l'huile. Les niveaux élémentaires de silicone (Si) et d'aluminium (Al) indiquent l'infiltration d'alumine-silicate (grosses particules de poussière). Une grande quantité de saleté a provoqué une usure abrasive du composant.

▲ Fluid Condition

La viscosité de l'échantillon se situe dans la portée de l'SAE 90; 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'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0107441	---	---
Sample Date	Client Info		19 Feb 2024	---	---
Machine Age	kms	Client Info	8342	---	---
Oil Age	kms	Client Info	2000	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			SEVERE	---	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		▲ 2057	---	---
Iron	ppm	ASTM D5185(m) >500	▲ 10246	---	---
Chromium	ppm	ASTM D5185(m) >10	▲ 75	---	---
Nickel	ppm	ASTM D5185(m) >10	▲ 17	---	---
Titanium	ppm	ASTM D5185(m)	▲ 47	---	---
Silver	ppm	ASTM D5185(m)	0	---	---
Aluminum	ppm	ASTM D5185(m) >25	● 865	---	---
Lead	ppm	ASTM D5185(m) >25	2	---	---
Copper	ppm	ASTM D5185(m) >75	25	---	---
Tin	ppm	ASTM D5185(m) >10	0	---	---
Antimony	ppm	ASTM D5185(m) >5	<1	---	---
Vanadium	ppm	ASTM D5185(m)	1	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES

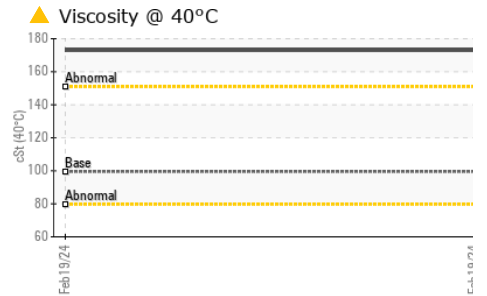
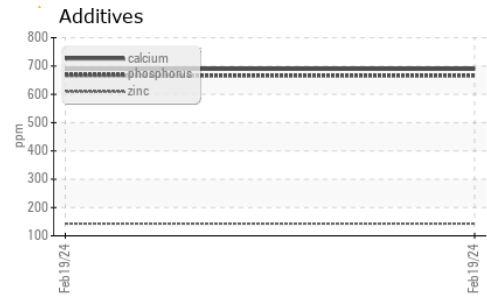
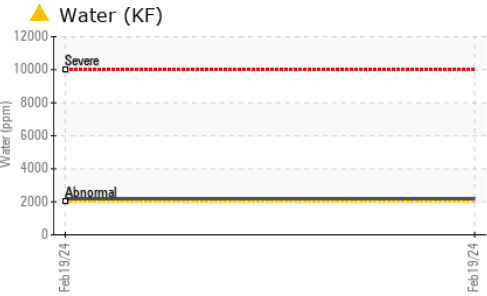
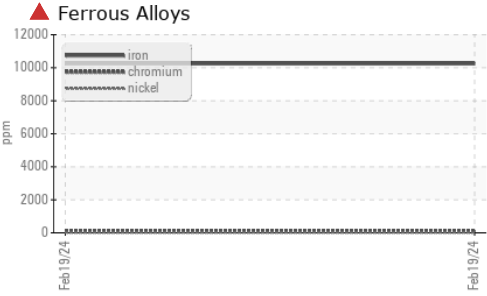
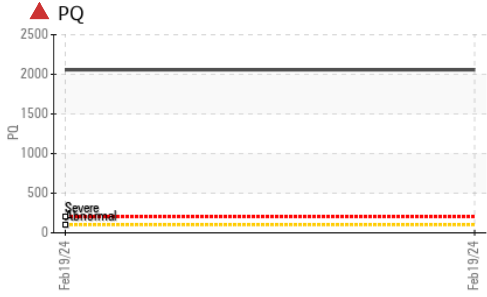
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 150	20	---	---
Barium	ppm	ASTM D5185(m) 5	0	---	---
Molybdenum	ppm	ASTM D5185(m) 0	5	---	---
Manganese	ppm	ASTM D5185(m)	87	---	---
Magnesium	ppm	ASTM D5185(m) 0	202	---	---
Calcium	ppm	ASTM D5185(m) 20	689	---	---
Phosphorus	ppm	ASTM D5185(m) 1200	666	---	---
Zinc	ppm	ASTM D5185(m) 25	143	---	---
Sulfur	ppm	ASTM D5185(m) 22000	38509	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	▲ 3806	---	---
Sodium	ppm	ASTM D5185(m)	299	---	---
Potassium	ppm	ASTM D5185(m) >20	266	---	---
Water	%	ASTM D6304* >0.2	▲ 0.218	---	---
ppm Water	ppm	ASTM D6304* >2000	▲ 2185	---	---



OIL ANALYSIS REPORT



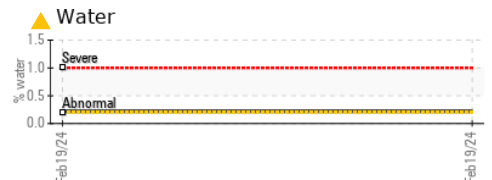
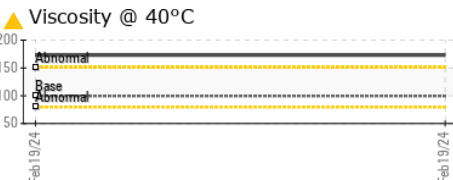
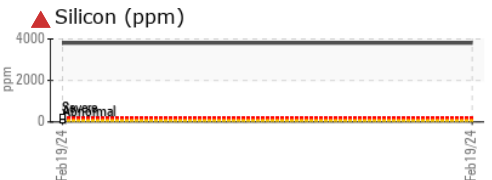
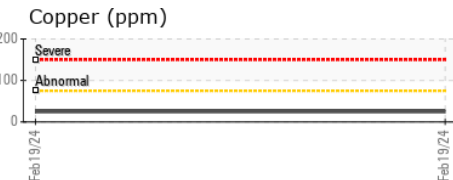
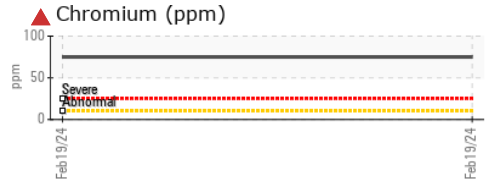
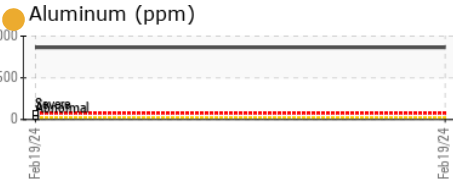
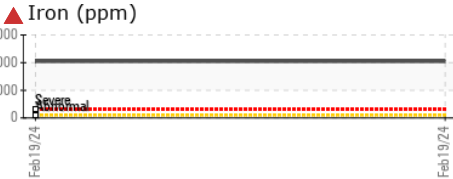
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	▲ .2%	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	99.5	▲ 173	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0107441 **Received** : 22 Feb 2024
Lab Number : 02617493 **Tested** : 23 Feb 2024
Unique Number : 5734603 **Diagnosed** : 26 Feb 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: KF, PQ)

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 Brownsburg-Chatham, QC
 CA J8G 1B9
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 T: (450)566-3721
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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.