



OIL ANALYSIS REPORT

Sample Rating Trend

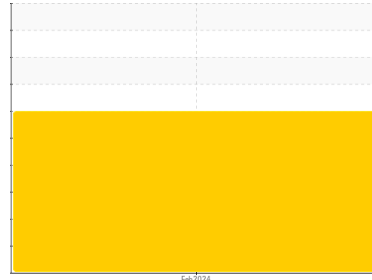
WEAR



Machine Id
EX0259

Component
Right Planetary

Fluid
GEAR OIL SAE 75W90 (--- GAL)



DIAGNOSIS

Recommendation

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 d'échantillonner de nouveau dès que possible afin de contrôler la situation. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indiquent que ce fluide est du (GENERIC) GEAR OIL SAE 75W90. Veuillez confirmer.

Wear

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

Contamination

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

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	GFL0107442	---	---
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		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	▲ 1375	---	---
Iron	ppm ASTM D5185(m) >500	▲ 3802	---	---
Chromium	ppm ASTM D5185(m) >10	▲ 24	---	---
Nickel	ppm ASTM D5185(m) >10	6	---	---
Titanium	ppm ASTM D5185(m)	7	---	---
Silver	ppm ASTM D5185(m)	0	---	---
Aluminum	ppm ASTM D5185(m) >25	● 164	---	---
Lead	ppm ASTM D5185(m) >25	<1	---	---
Copper	ppm ASTM D5185(m) >75	7	---	---
Tin	ppm ASTM D5185(m) >10	0	---	---
Antimony	ppm ASTM D5185(m) >5	<1	---	---
Vanadium	ppm ASTM D5185(m)	0	---	---
Beryllium	ppm ASTM D5185(m)	0	---	---
Cadmium	ppm ASTM D5185(m)	0	---	---

ADDITIVES

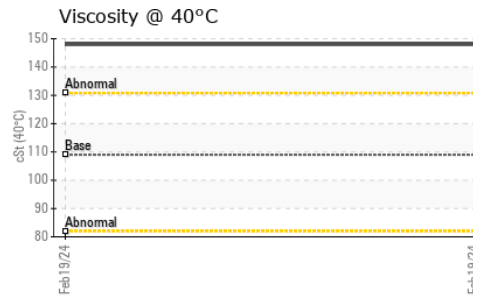
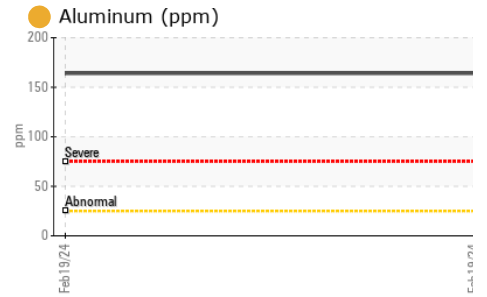
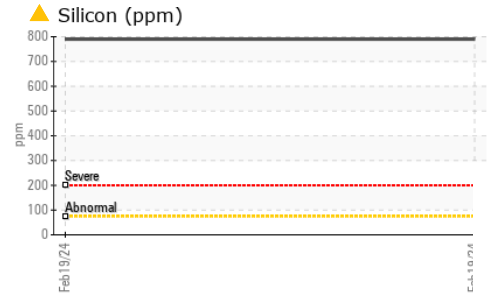
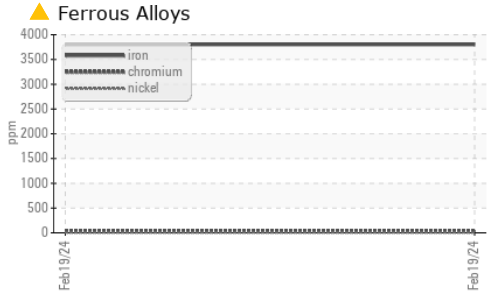
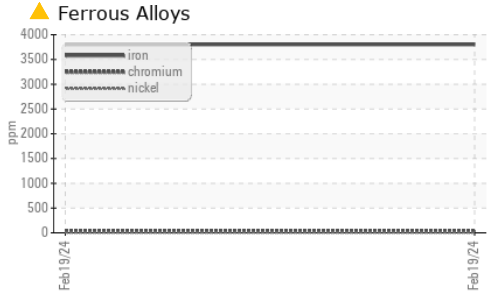
method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 400	13	---	---
Barium	ppm ASTM D5185(m) 200	0	---	---
Molybdenum	ppm ASTM D5185(m) 12	2	---	---
Manganese	ppm ASTM D5185(m)	27	---	---
Magnesium	ppm ASTM D5185(m) 12	39	---	---
Calcium	ppm ASTM D5185(m) 150	179	---	---
Phosphorus	ppm ASTM D5185(m) 1650	695	---	---
Zinc	ppm ASTM D5185(m) 125	67	---	---
Sulfur	ppm ASTM D5185(m) 22500	18009	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >75	▲ 790	---	---
Sodium	ppm ASTM D5185(m)	60	---	---
Potassium	ppm ASTM D5185(m) >20	55	---	---



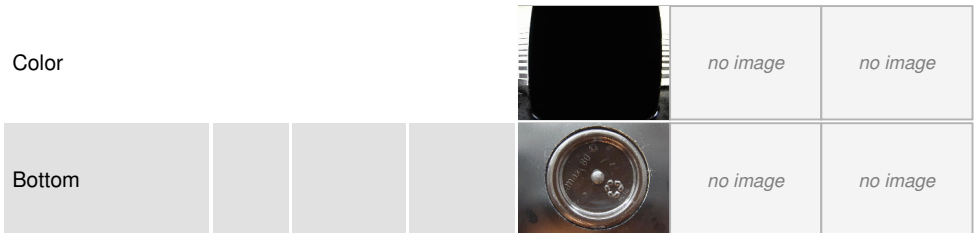
OIL ANALYSIS REPORT



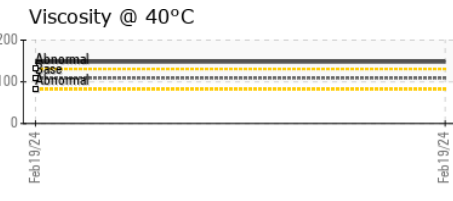
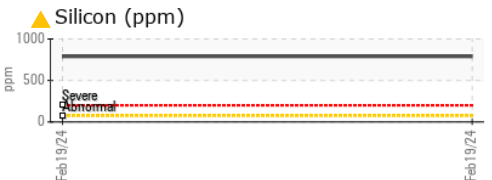
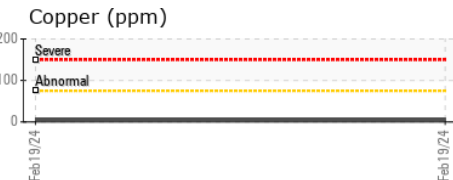
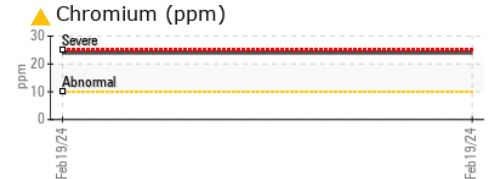
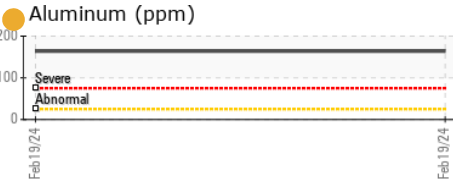
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	109	148	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0107442 **Received** : 22 Feb 2024
Lab Number : 02617494 **Tested** : 23 Feb 2024
Unique Number : 5734604 **Diagnosed** : 23 Feb 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: PQ)

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.

GFL Environmental - 772
 435 Montee Cushing
 Brownsburg-Chatham, QC
 CA J8G 1B9
 Contact: Kelly-Ann Forbes
 kforbes@matrec.ca
 T: (450)566-3721
 F: