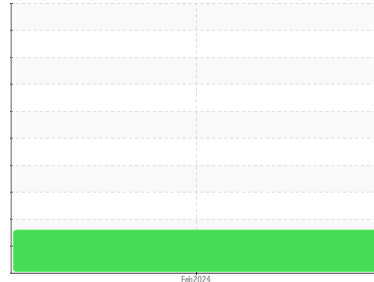




OIL ANALYSIS REPORT

Sample Rating Trend

WATER



Machine Id
733012
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 40 (--- GAL)

DIAGNOSIS

Recommendation

Nous vous recommandons de vérifier la source de l'infiltration d'eau. 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) DIESEL ENGINE OIL SAE 40. Veuillez confirmer.

Wear

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Contamination

Concentration modérée d'eau dans l'huile. Le test de glycol est négatif.

Fluid Condition

l'huile ne peut plus être utilisée en raison de la présence de contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0097043	---	---
Sample Date	Client Info		06 Feb 2024	---	---
Machine Age	kms	Client Info	12103	---	---
Oil Age	kms	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>3.0	<1.0	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >120	109	---	---
Chromium	ppm	ASTM D5185(m) >20	3	---	---
Nickel	ppm	ASTM D5185(m) >5	3	---	---
Titanium	ppm	ASTM D5185(m) >2	0	---	---
Silver	ppm	ASTM D5185(m) >2	<1	---	---
Aluminum	ppm	ASTM D5185(m) >20	16	---	---
Lead	ppm	ASTM D5185(m) >40	6	---	---
Copper	ppm	ASTM D5185(m) >330	23	---	---
Tin	ppm	ASTM D5185(m) >15	3	---	---
Antimony	ppm	ASTM D5185(m)	0	---	---
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) 250	6	---	---
Barium	ppm	ASTM D5185(m) 10	3	---	---
Molybdenum	ppm	ASTM D5185(m) 100	66	---	---
Manganese	ppm	ASTM D5185(m)	16	---	---
Magnesium	ppm	ASTM D5185(m) 450	932	---	---
Calcium	ppm	ASTM D5185(m) 3000	1387	---	---
Phosphorus	ppm	ASTM D5185(m) 1150	832	---	---
Zinc	ppm	ASTM D5185(m) 1350	980	---	---
Sulfur	ppm	ASTM D5185(m) 4250	2154	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

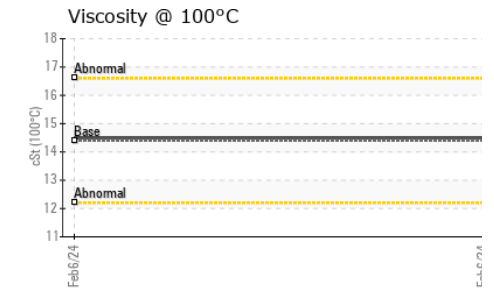
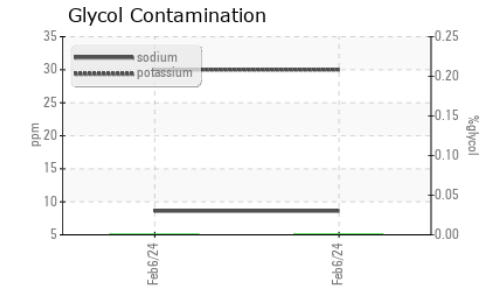
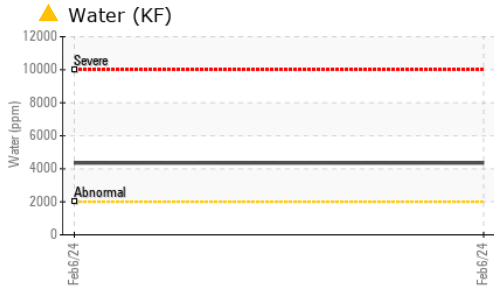
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	28	---	---
Sodium	ppm	ASTM D5185(m) >216	9	---	---
Potassium	ppm	ASTM D5185(m) >20	30	---	---
Water	%	ASTM D6304* >0.2	▲ 0.434	---	---
ppm Water	ppm	ASTM D6304* >2000	▲ 4349	---	---
Glycol	%	ASTM D7922*	0.0	---	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >4	0	---	---
Nitration	Abs/cm	ASTM D7624* >20	16.0	---	---
Sulfation	Abs./1mm	ASTM D7415* >30	28.3	---	---



OIL ANALYSIS REPORT



FLUID DEGRADATION

method	limit/base	current	history1	history2	
Oxidation	Abs./1mm ASTM D7414*	>25	27.7	---	---

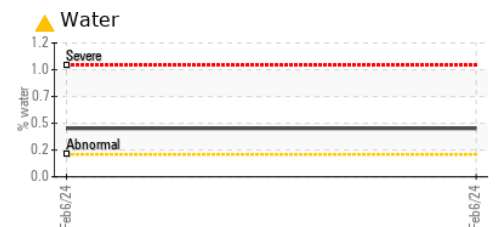
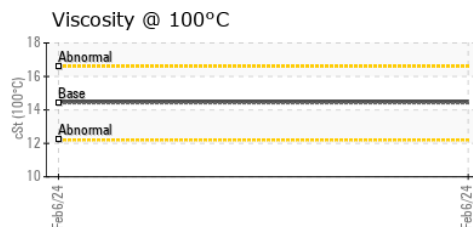
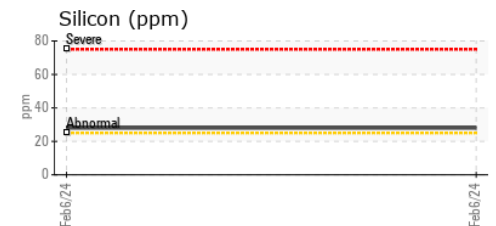
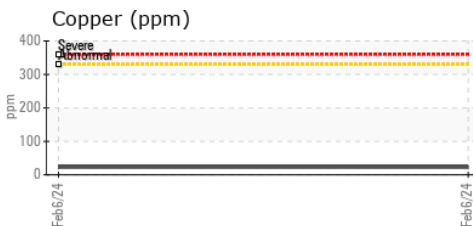
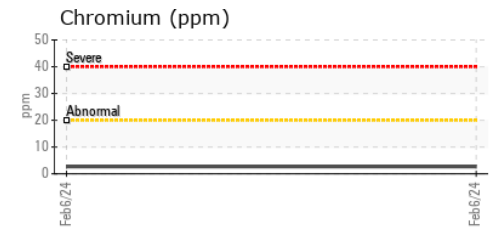
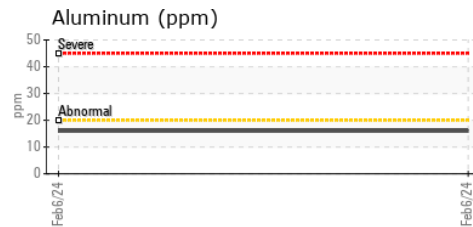
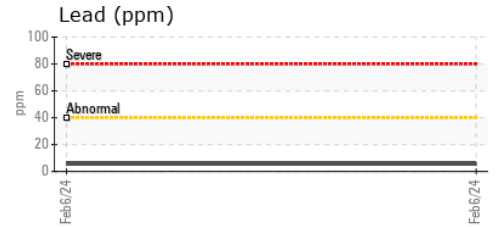
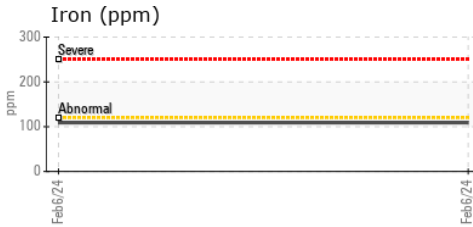
VISUAL

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	▲.2%	---	---
Free Water	scalar Visual*		NEG	---	---

FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 100°C	cSt ASTM D7279(m)	14.4	14.5	---	---

GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 780 - GMA - ICI - Solid Waste**
Sample No. : GFL0097043 **Received** : 21 Feb 2024 4365 boul. St-Elzear Ouest,
Lab Number : 02616998 **Tested** : 23 Feb 2024 Laval, QC
Unique Number : 5734108 **Diagnosed** : 23 Feb 2024 - Kevin Marson CA H7P 4J3
Test Package : MOB 1 (Additional Tests: Glycol, KF, Visual) Contact: Pieces Laval
pieces.laval@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.

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F: