



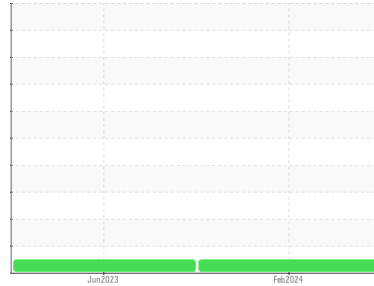
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
EX0356 CX210B
 Component
Diesel Engine
 Fluid
CASE CASE IH NO.1 SAE 15W40 (22 LTR)



DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			GFL0092329	GFL0056447	---
Sample Date	Client Info			09 Feb 2024	08 Jun 2023	---
Machine Age	hrs	Client Info		5123	3797	---
Oil Age	hrs	Client Info		1326	500	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<1.0	<1.0	---
Water	WC Method	>0.2		NEG	NEG	---
Glycol	WC Method			NEG	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	35	8	---
Chromium	ppm	ASTM D5185(m)	>20	<1	0	---
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	6	4	---
Lead	ppm	ASTM D5185(m)	>40	9	<1	---
Copper	ppm	ASTM D5185(m)	>330	163	<1	---
Tin	ppm	ASTM D5185(m)	>15	1	<1	---
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	---

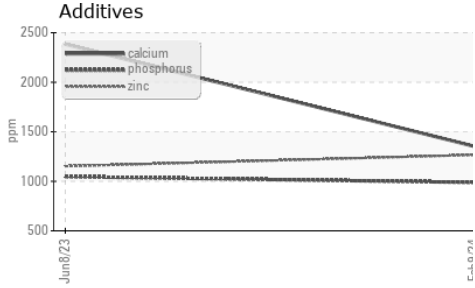
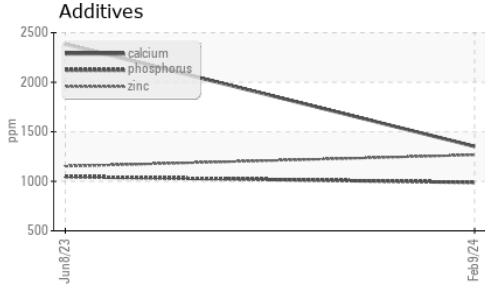
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		5	45	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		62	43	---
Manganese	ppm	ASTM D5185(m)		<1	<1	---
Magnesium	ppm	ASTM D5185(m)		939	38	---
Calcium	ppm	ASTM D5185(m)		1352	2384	---
Phosphorus	ppm	ASTM D5185(m)		988	1047	---
Zinc	ppm	ASTM D5185(m)	1700	1266	1152	---
Sulfur	ppm	ASTM D5185(m)		2257	3222	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	5	4	---
Sodium	ppm	ASTM D5185(m)		1	2	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	2.1	0.6	---
Nitration	Abs/cm	ASTM D7624*	>20	10.1	8.0	---
Sulfation	Abs./1mm	ASTM D7415*	>30	24.7	18.9	---



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FLUID DEGRADATION

Method	Limit/Base	Current	History1	History2
Oxidation	Abs./1mm ASTM D7414*	18.2	12.3	---

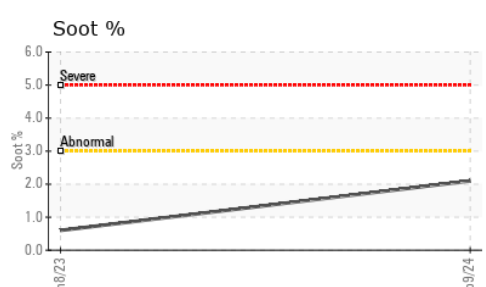
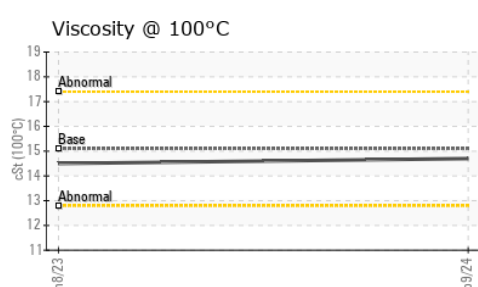
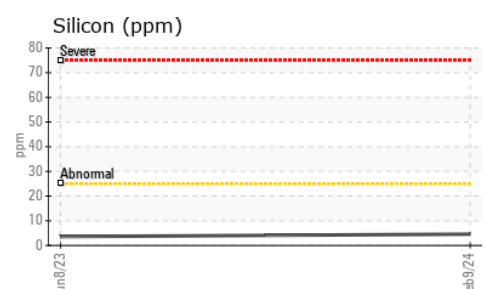
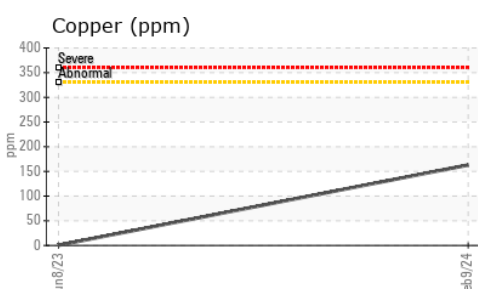
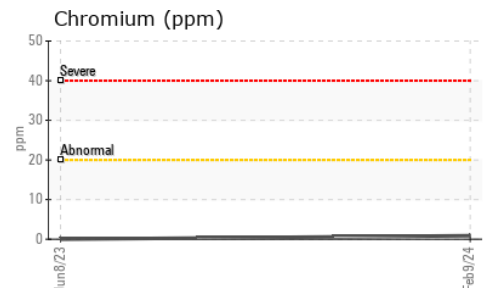
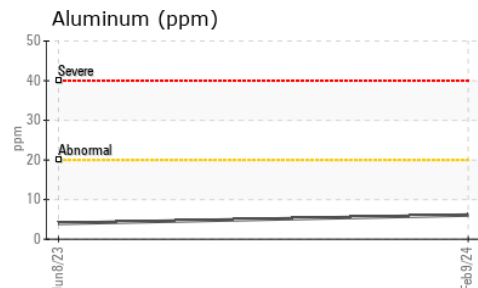
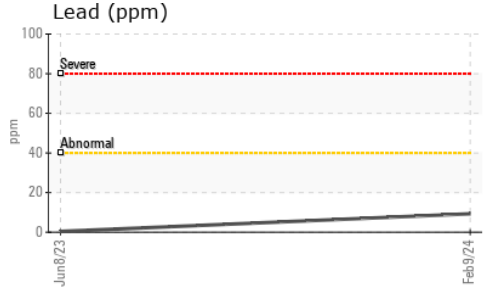
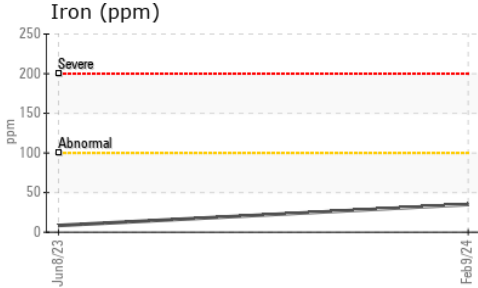
VISUAL

Method	Limit/Base	Current	History1	History2
Emulsified Water	scalar Visual*	NEG	NEG	---
Free Water	scalar Visual*	NEG	NEG	---

FLUID PROPERTIES

Method	Limit/Base	Current	History1	History2
Visc @ 100°C	cSt ASTM D7279(m)	14.7	14.5	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0092329
Lab Number : 02615274
Unique Number : 5724369
Test Package : MOB 1

GFL Environmental - 720 - Lafleche - Landfill
 17125 Lafleche Road,
 Moose Creek, ON
 CA K0C 1W0
 Contact: Charles Bergeron
 cbergeron@gflenv.com
 T: (613)538-4853
 F:

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.