



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**713053**

Component  
**Diesel Engine**

Fluid  
**CERTIFIED SPECTRA XTREME 15W40 CK4 (--- LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0105897</b>	---	---
Sample Date		Client Info		<b>27 Feb 2024</b>	---	---
Machine Age	kms	Client Info		<b>16657</b>	---	---
Oil Age	kms	Client Info		<b>0</b>	---	---
Filter Age	kms	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>80	<b>4</b>	---	---
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>30	<b>3</b>	---	---
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	>150	<b>1</b>	---	---
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---

**CONTAMINATION**

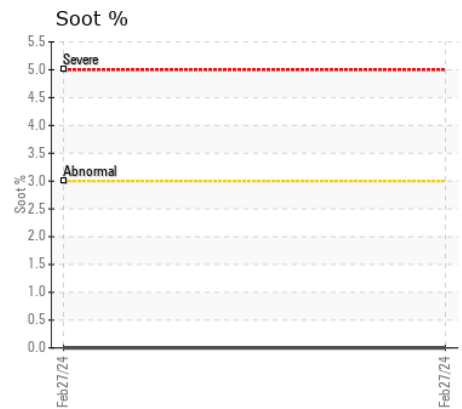
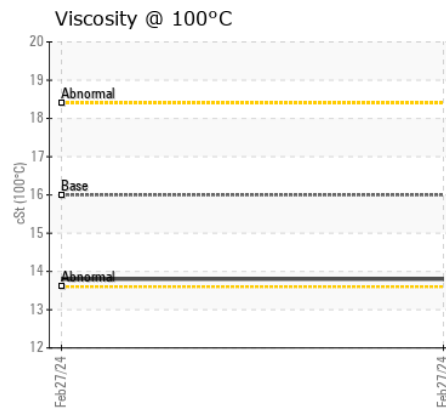
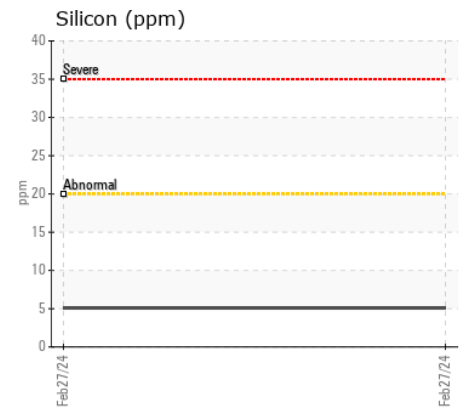
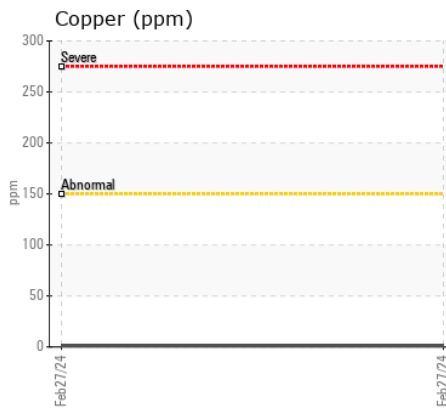
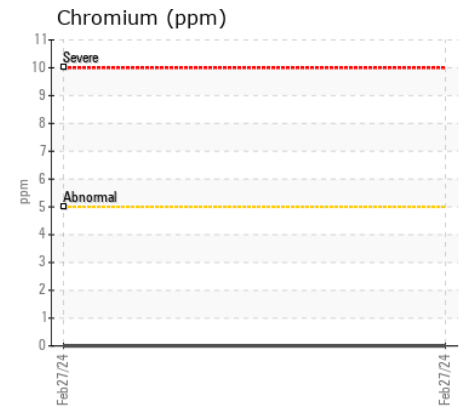
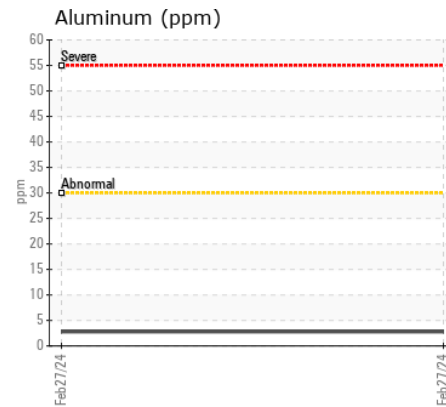
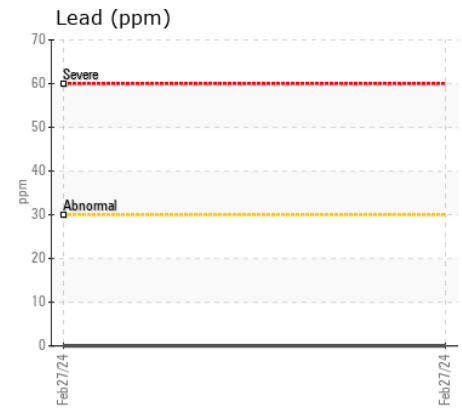
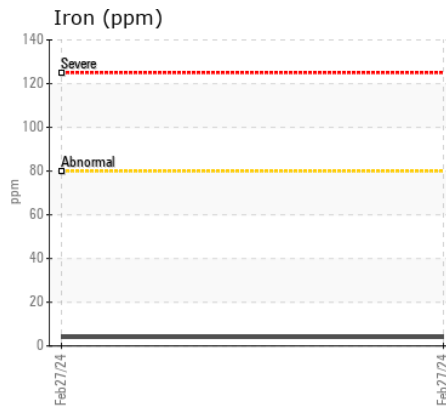
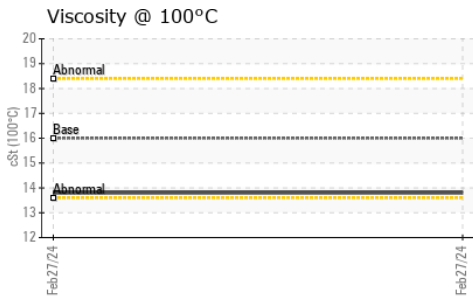
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	<b>5</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	ASTM D7844*	>3	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.9</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>18.8</b>	---	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---

**FLUID CONDITION**

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>3</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>6</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>285</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>993</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>1094</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>1195</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>1218</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>3159</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>14.4</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	16	<b>13.8</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0105897  
**Lab Number** : 02619837  
**Unique Number** : 5736947  
**Test Package** : MOB 1  
**Received** : 05 Mar 2024  
**Tested** : 05 Mar 2024  
**Diagnosed** : 05 Mar 2024 - Wes Davis

**GFL Environmental - 348**  
 1027 Kirk Line East  
 Bracebridge, ON  
 CA P1L 0A1  
 Contact: Royce Reid  
 roycereid@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: