



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**813069**

Component  
**Diesel Engine**

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

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0105892</b>	GFL0076458	---
Sample Date		Client Info		<b>27 Mar 2024</b>	04 Mar 2023	---
Machine Age	kms	Client Info		<b>47080</b>	976	---
Oil Age	kms	Client Info		<b>0</b>	465	---
Filter Age	kms	Client Info		<b>0</b>	465	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>80	<b>5</b>	13	---
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>30	<b>4</b>	3	---
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>150	<b>1</b>	3	---
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

**CONTAMINATION**

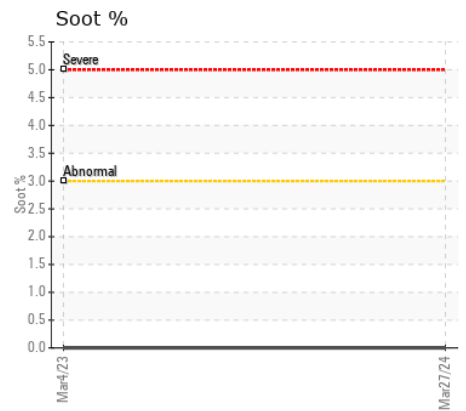
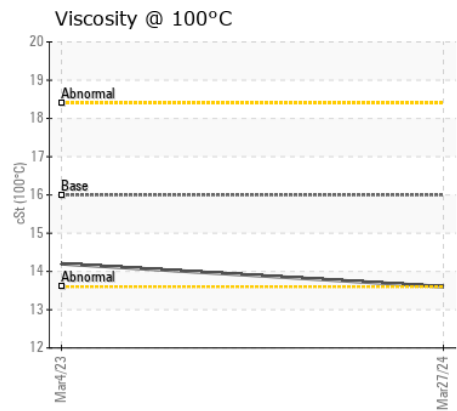
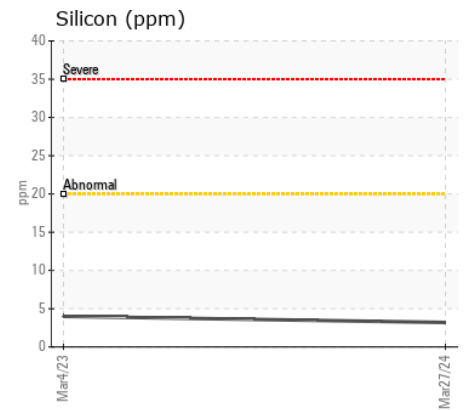
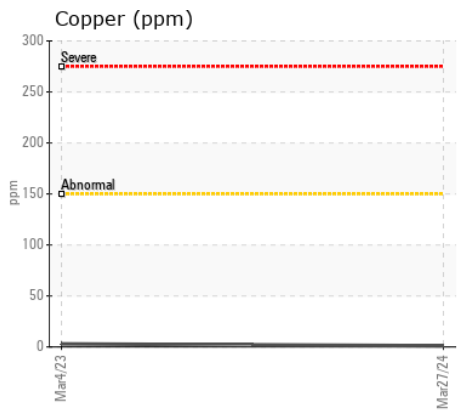
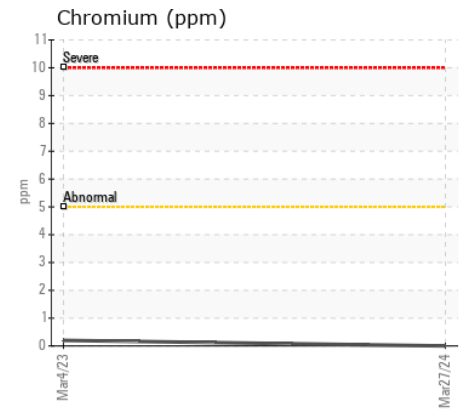
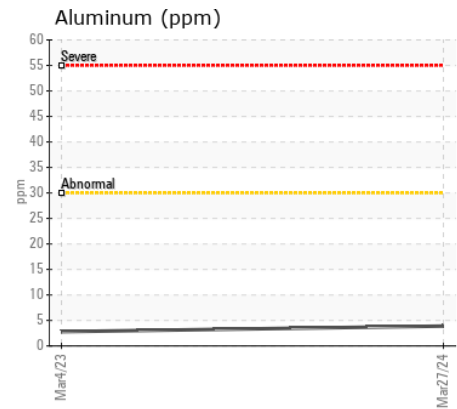
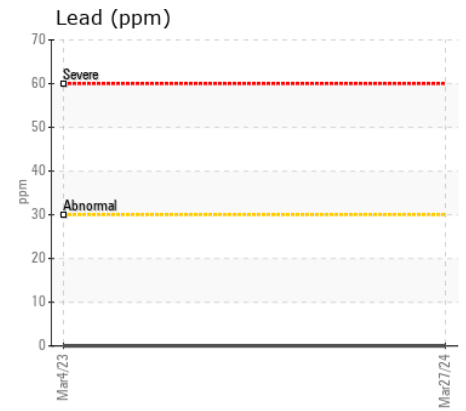
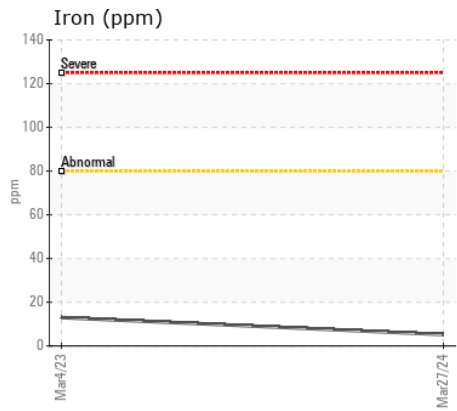
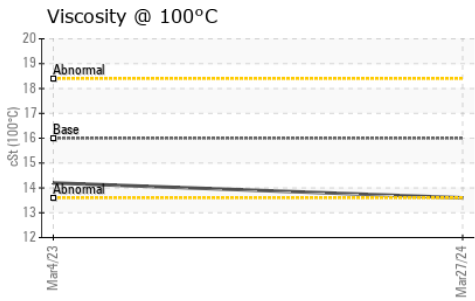
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	<b>3</b>	4	---
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	9	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.9</b>	5.0	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.1</b>	17.8	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>3</b>	5	---
Boron	ppm	ASTM D5185(m)		<b>6</b>	126	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)		<b>265</b>	9	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)		<b>934</b>	77	---
Calcium	ppm	ASTM D5185(m)		<b>1174</b>	2400	---
Phosphorus	ppm	ASTM D5185(m)		<b>1131</b>	1055	---
Zinc	ppm	ASTM D5185(m)		<b>1209</b>	1170	---
Sulfur	ppm	ASTM D5185(m)		<b>2864</b>	3043	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>15.1</b>	9.3	---
Visc @ 100°C	cSt	ASTM D7279(m)	16	<b>13.6</b>	14.2	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0105892 **Received** : 02 Apr 2024  
**Lab Number** : 02626017 **Tested** : 02 Apr 2024  
**Unique Number** : 5759149 **Diagnosed** : 02 Apr 2024 - Wes Davis  
**Test Package** : MOB 1

**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: