



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



Machine Id  
**934035**  
Component  
**Natural Gas Engine**  
Fluid  
**{not provided} (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0108327</b>	---	---
Sample Date		Client Info		<b>06 Jan 2024</b>	---	---
Machine Age		Client Info		<b>249</b>	---	---
Oil Age		Client Info		<b>249</b>	---	---
Filter Age		Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

**WEAR**

Metal levels are typical for a components first oil change.

Iron	ppm	ASTM D5185m	>50	<b>54</b>	---	---
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>2	<b>1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m	>9	<b>5</b>	---	---
Lead	ppm	ASTM D5185m	>30	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185m	>35	<b>19</b>	---	---
Tin	ppm	ASTM D5185m	>4	<b>2</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

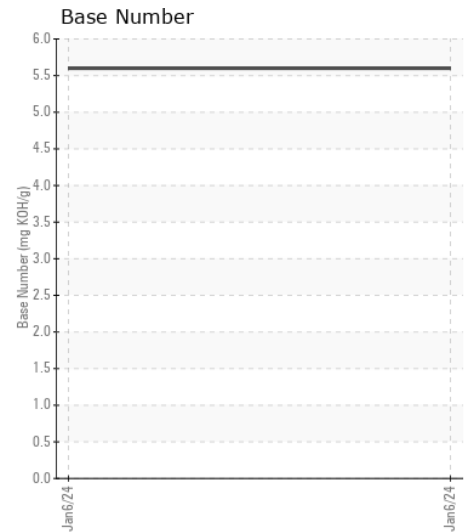
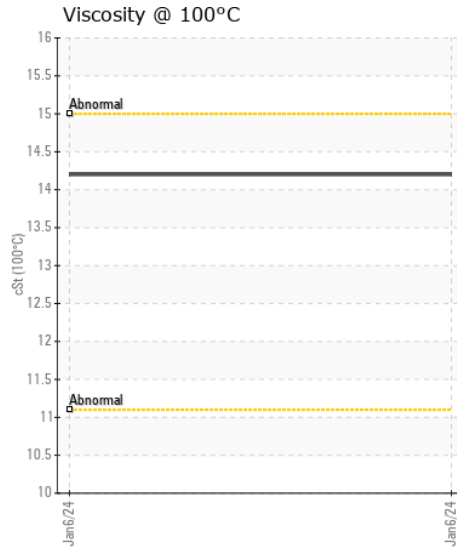
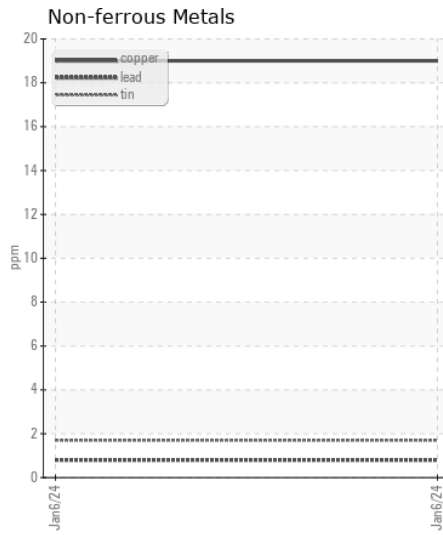
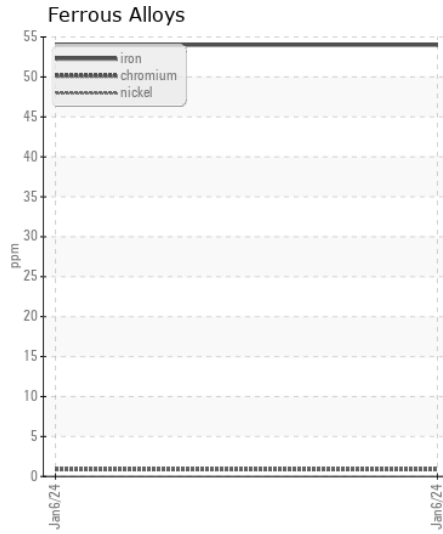
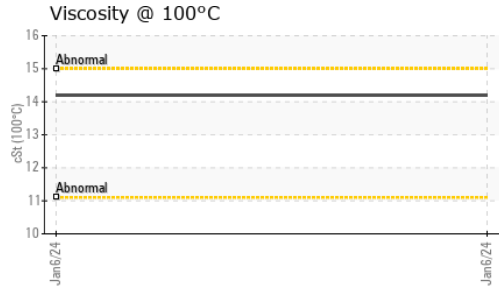
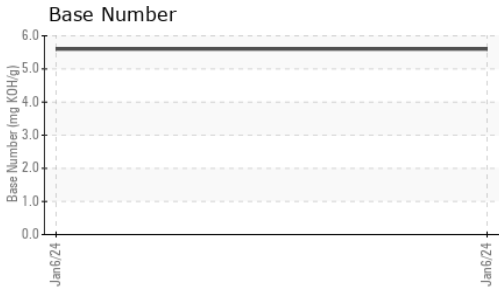
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	<b>34</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>11</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Soot %	%	*ASTM D7844		<b>0</b>	---	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.4</b>	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>20.5</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	---	---

**FLUID CONDITION**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>5</b>	---	---
Boron	ppm	ASTM D5185m		<b>17</b>	---	---
Barium	ppm	ASTM D5185m		<b>3</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>54</b>	---	---
Manganese	ppm	ASTM D5185m		<b>12</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>786</b>	---	---
Calcium	ppm	ASTM D5185m		<b>1021</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>809</b>	---	---
Zinc	ppm	ASTM D5185m		<b>933</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>2344</b>	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>19.0</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>5.6</b>	---	---
Visc @ 100°C	cSt	ASTM D445		<b>14.2</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0108327 **Received** : 12 Jan 2024  
**Lab Number** : 06060084 **Diagnosed** : 16 Jan 2024  
**Unique Number** : 10831466 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**GFL Environmental - 652 - Fredericksburg Hauling**  
 10954 Houser Drive  
 Fredericksburg, VA  
 US 22408  
 Contact: WILLIAM MILO  
 wmilo@gflenv.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:  
F: