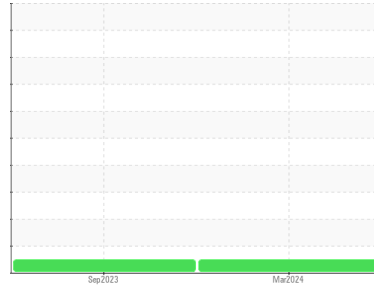




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**933008**  
 Component  
**Natural Gas Engine**  
 Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

Metal levels are typical for a new component breaking in.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0112404</b>	GFL0091639	---
Sample Date	Client Info		<b>05 Mar 2024</b>	29 Sep 2023	---
Machine Age	kms	Client Info	<b>31525</b>	17535	---
Oil Age	kms	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>50	<b>26</b>	50	---
Chromium	ppm	ASTM D5185(m)	>5	<b>1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	1	---
Titanium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>3</b>	5	---
Lead	ppm	ASTM D5185(m)	>40	<b>2</b>	2	---
Copper	ppm	ASTM D5185(m)	>150	<b>3</b>	17	---
Tin	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	1	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	250	<b>13</b>	9	---
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	3	---
Molybdenum	ppm	ASTM D5185(m)	100	<b>59</b>	57	---
Manganese	ppm	ASTM D5185(m)		<b>2</b>	11	---
Magnesium	ppm	ASTM D5185(m)	450	<b>658</b>	778	---
Calcium	ppm	ASTM D5185(m)	3000	<b>1780</b>	1373	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>850</b>	722	---
Zinc	ppm	ASTM D5185(m)	1350	<b>1020</b>	919	---
Sulfur	ppm	ASTM D5185(m)	4250	<b>2238</b>	1915	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	<b>7</b>	24	---
Sodium	ppm	ASTM D5185(m)	>158	<b>9</b>	6	---
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	7	---

## INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*		<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>12.8</b>	12.4	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>24.8</b>	25.0	---

