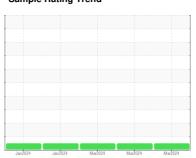


# **OIL ANALYSIS REPORT**

### Sample Rating Trend







934034
Component
Natural Gas Engine
Fluid
NOT GIVEN (--- GAL)

## DIAGNOSIS

### Recommendation

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**

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

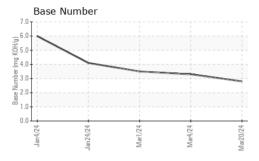
		Jan 2024	Jan2024	Mar2024 Mar2024	Mar2024	
SAMPLE INFOF	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0111892	GFL0111838	GFL0111839
Sample Date		Client Info		20 Mar 2024	04 Mar 2024	01 Mar 2024
Machine Age	hrs	Client Info		98201	98201	586
Oil Age	hrs	Client Info		98201	0	586
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	54	42	61
Chromium	ppm	ASTM D5185m	>4	2	<1	<1
Nickel	ppm	ASTM D5185m	>2	3	<1	1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	<1
Aluminum	ppm	ASTM D5185m	>9	8	3	7
Lead	ppm	ASTM D5185m	>30	5	0	<1
Copper	ppm	ASTM D5185m	>35	23	14	11
Tin	ppm	ASTM D5185m	>4	3	<1	1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		4	6	5
Barium	ppm	ASTM D5185m		4	4	6
Molybdenum	ppm	ASTM D5185m		59	52	56
Manganese	ppm	ASTM D5185m		12	10	15
Magnesium	ppm	ASTM D5185m		841	800	799
Calcium	ppm	ASTM D5185m		1341	1183	1158
Phosphorus	ppm	ASTM D5185m		911	679	746
Zinc	ppm	ASTM D5185m		1009	886	932
Sulfur	ppm	ASTM D5185m		2679	1950	2035
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	37	31	30
Sodium	ppm	ASTM D5185m		3	3	4
Potassium	ppm	ASTM D5185m	>20	13	3	19
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	13.6	12.8	12.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.3	23.8	24.9
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.1	21.8	22.7

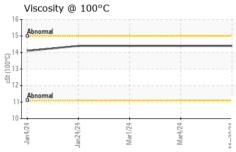
2.8

Base Number (BN) mg KOH/g ASTM D2896



# **OIL ANALYSIS REPORT**

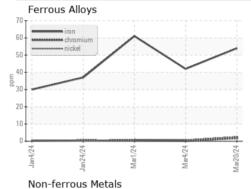


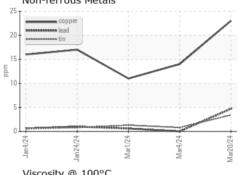


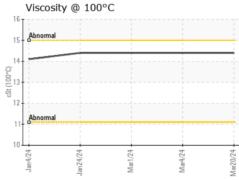
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

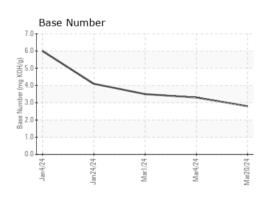
FLUID PROP	EKIIES	method	ilmit/base		nistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445		14.4	14.4	14.4

### **GRAPHS**













Certificate L2367

Laboratory Sample No.

Lab Number : 06126861

: GFL0111892

Unique Number : 10941012 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Mar 2024 **Tested** : 26 Mar 2024

Diagnosed : 26 Mar 2024 - Sean Felton

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: