



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
834025
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.

WEAR

Metal levels are typical for a new component breaking in.

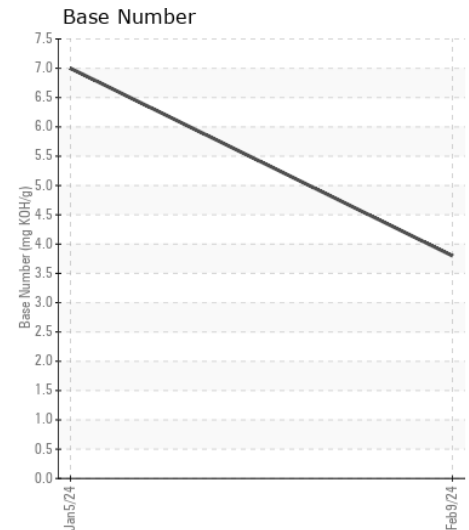
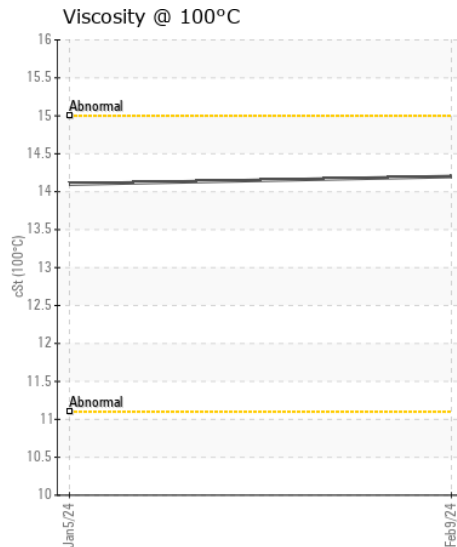
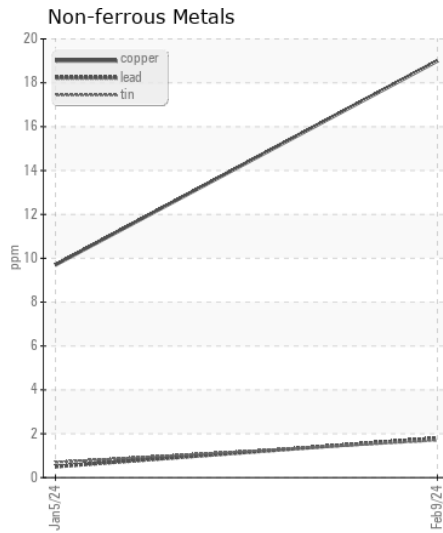
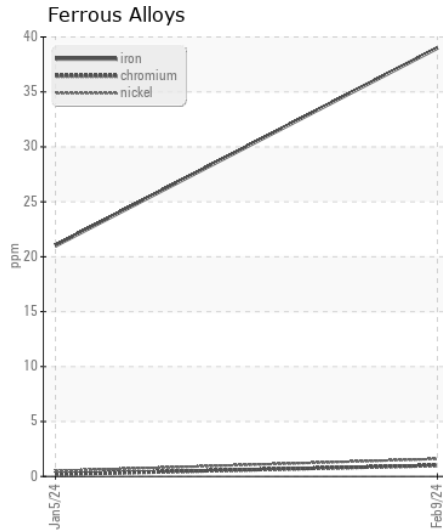
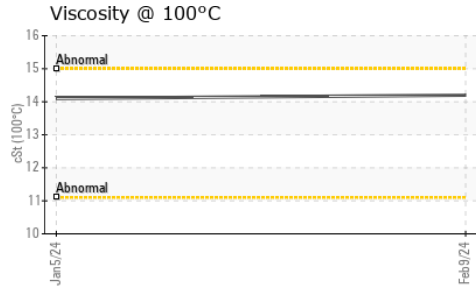
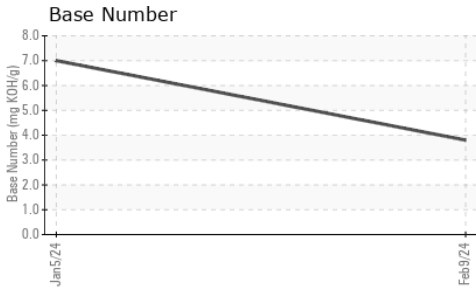
CONTAMINATION

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 condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0108286	GFL0098238	---
Sample Date		Client Info		09 Feb 2024	05 Jan 2024	---
Machine Age	hrs	Client Info		442	272	---
Oil Age	hrs	Client Info		442	272	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	N/A	---
Filter Changed		Client Info		Not Changed	N/A	---
Sample Status				NORMAL	NORMAL	---
Iron	ppm	ASTM D5185m	>50	39	21	---
Chromium	ppm	ASTM D5185m	>4	1	<1	---
Nickel	ppm	ASTM D5185m	>2	2	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>3	<1	0	---
Aluminum	ppm	ASTM D5185m	>9	3	2	---
Lead	ppm	ASTM D5185m	>30	2	<1	---
Copper	ppm	ASTM D5185m	>35	19	10	---
Tin	ppm	ASTM D5185m	>4	2	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>+100	32	21	---
Potassium	ppm	ASTM D5185m	>20	6	3	---
Water		WC Method	>0.1	NEG	NEG	---
Soot %	%	*ASTM D7844		0	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	12.5	8.9	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.0	19.0	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---
Sodium	ppm	ASTM D5185m		2	3	---
Boron	ppm	ASTM D5185m		6	12	---
Barium	ppm	ASTM D5185m		17	2	---
Molybdenum	ppm	ASTM D5185m		51	51	---
Manganese	ppm	ASTM D5185m		14	8	---
Magnesium	ppm	ASTM D5185m		714	842	---
Calcium	ppm	ASTM D5185m		1141	1134	---
Phosphorus	ppm	ASTM D5185m		691	862	---
Zinc	ppm	ASTM D5185m		834	1031	---
Sulfur	ppm	ASTM D5185m		2561	2615	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.8	16.7	---
Base Number (BN)	mg KOH/g	ASTM D2896		3.8	7.0	---
Visc @ 100°C	cSt	ASTM D445		14.2	14.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0108286
Lab Number : 06085683
Unique Number : 10873128
Test Package : FLEET

Received : 12 Feb 2024
Tested : 12 Feb 2024
Diagnosed : 12 Feb 2024 - Wes Davis

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: