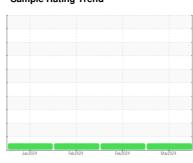


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
834028
Component
Natural Gas Engine
Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. 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.

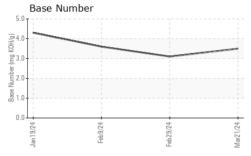
Janu-2024 Feb-2024 Feb-2024 May-2024						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0111815	GFL0111833	GFL0108256
Sample Date		Client Info		21 Mar 2024	29 Feb 2024	09 Feb 2024
Machine Age	hrs	Client Info		841	695	557
Oil Age	hrs	Client Info		841	695	557
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	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	43	51	42
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	1	2
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	<1	0	<1
Aluminum	ppm	ASTM D5185m	>9	3	3	2
Lead	ppm	ASTM D5185m	>30	1	5	2
Copper	ppm	ASTM D5185m	>35	15	18	19
Tin	ppm	ASTM D5185m	>4	2	2	2
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		7	3	4
Barium	ppm	ASTM D5185m		2	4	17
Molybdenum	ppm	ASTM D5185m		53	55	50
Manganese	ppm	ASTM D5185m		12	14	13
Magnesium	ppm	ASTM D5185m		786	926	721
Calcium	ppm	ASTM D5185m		1259	1332	1136
Phosphorus	ppm	ASTM D5185m		667	760	684
Zinc	ppm	ASTM D5185m		907	946	822
Sulfur	ppm	ASTM D5185m		2492	2433	2512
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm		>+100	27	33	32
Sodium	ppm	ASTM D5185m		6	5	1
Potassium	ppm	ASTM D5185m	>20	22	8	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	12.6	13.3	12.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.6	24.5	23.3
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.6	23.2	21.4

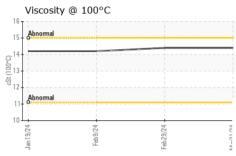
3.5

Base Number (BN) mg KOH/g ASTM D2896



OIL ANALYSIS REPORT

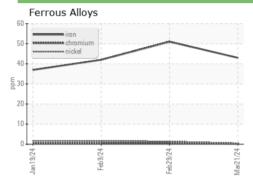




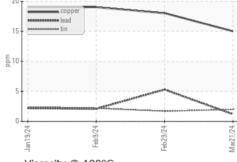
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

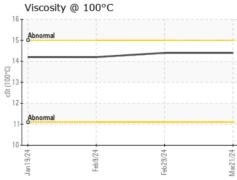
FLUID PROPERTIES		method			history2	
Visc @ 100°C	cSt	ASTM D445	14.4	14.4	14.2	

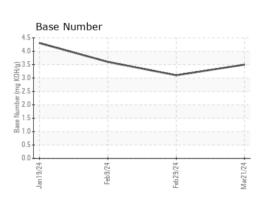
GRAPHS



Non-ferrous Metals











Certificate L2367

Laboratory Sample No.

Lab Number : 06126334 Unique Number : 10940485

: GFL0111815 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Mar 2024 **Tested** : 25 Mar 2024

Diagnosed : 25 Mar 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: