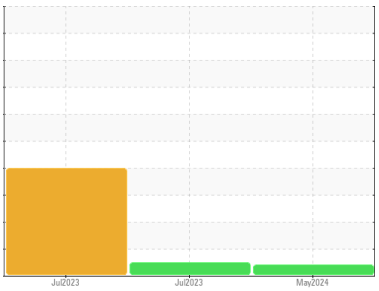
OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY

Machine Id
427180
Component
1 Differential
Fluid
GEAR OIL SAE 80 (--- GAL)

DIAGNOSIS

Recommendation
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: 1st Acle / Tag)

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination in the oil.

Fluid Condition
The oil viscosity is lower than normal. Confirm oil type.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**GFL0123565**	GFL0089410	GFL0085469
Sample Date		Client Info		**25 May 2024**	19 Jul 2023	07 Jul 2023
Machine Age	mls	Client Info		**372186**	340822	339095
Oil Age	mls	Client Info		**372186**	340822	339095
Oil Changed		Client Info		**Changed**	Oil Added	Changed
Sample Status				**ATTENTION**	NORMAL	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>.2	**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	**167**	74	▲ 601
Chromium	ppm	ASTM D5185m	>10	**<1**	<1	5
Nickel	ppm	ASTM D5185m	>10	**1**	1	▲ 16
Titanium	ppm	ASTM D5185m		**0**	0	<1
Silver	ppm	ASTM D5185m		**0**	0	<1
Aluminum	ppm	ASTM D5185m	>25	**11**	3	● 29
Lead	ppm	ASTM D5185m	>25	**0**	0	3
Copper	ppm	ASTM D5185m	>100	**3**	<1	16
Tin	ppm	ASTM D5185m	>10	**2**	0	11
Vanadium	ppm	ASTM D5185m		**0**	0	<1
Cadmium	ppm	ASTM D5185m		**0**	0	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	**15**	17	158
Barium	ppm	ASTM D5185m	200	**0**	0	0
Molybdenum	ppm	ASTM D5185m	12	**0**	<1	11
Manganese	ppm	ASTM D5185m		**2**	1	10
Magnesium	ppm	ASTM D5185m	12	**<1**	<1	9
Calcium	ppm	ASTM D5185m	150	**36**	31	647
Phosphorus	ppm	ASTM D5185m	1650	**480**	457	1328
Zinc	ppm	ASTM D5185m	125	**49**	36	392
Sulfur	ppm	ASTM D5185m	22500	**13299**	13408	22141

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	**24**	6	▲ 128
Sodium	ppm	ASTM D5185m		**<1**	0	5
Potassium	ppm	ASTM D5185m	>20	**<1**	1	7

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	>.2	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

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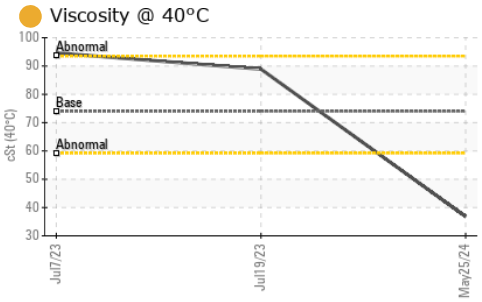
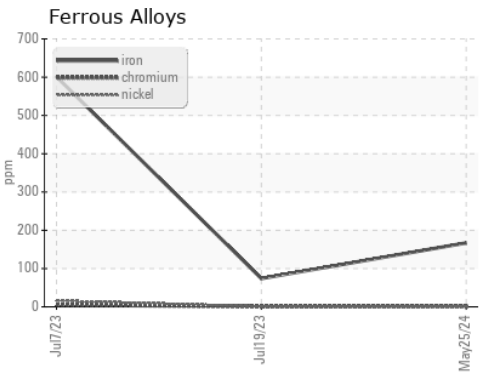
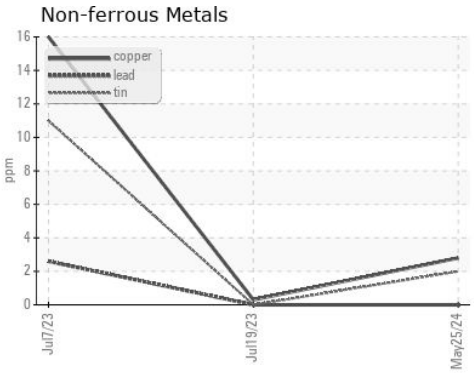


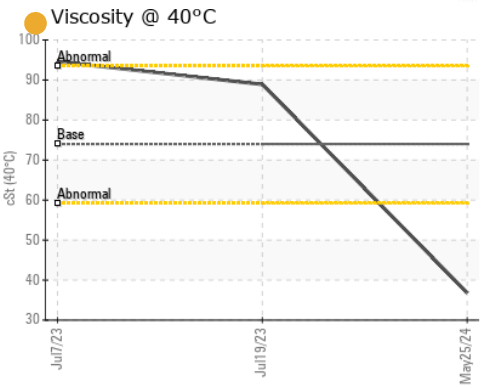
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	74	**36.82**	88.9	94.6

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS







Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0123565
Lab Number : 06197131
Unique Number : 11059254
Test Package : FLEET

Received : 31 May 2024
Tested : 05 Jun 2024
Diagnosed : 05 Jun 2024 - Jonathan Hester

GFL Environmental - 983 - Sugar Land Hauling
16011 West Belfort Street
Sugar Land, TX
US 77498
Contact: TECHNICIAN ACCOUNT
wcgfldemo@gmail.com
T:
F:

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)