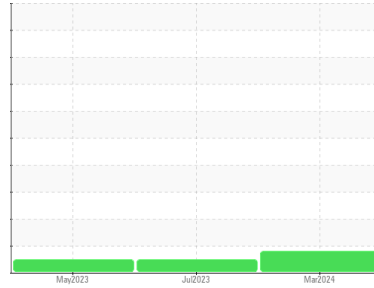




OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
420092
 Component
1 Differential
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

DIAGNOSIS

▲ Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

▲ Wear

The aluminum level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0112094	GFL0085411	GFL0085422
Sample Date	Client Info		18 Mar 2024	07 Jul 2023	31 May 2023
Machine Age	mls	Client Info	150271	116311	113646
Oil Age	mls	Client Info	150271	116311	105020
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			ABNORMAL	NORMAL	NORMAL

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 >1200	373	101	340
Chromium	ppm	ASTM D5185m >8	<1	<1	3
Nickel	ppm	ASTM D5185m >20	9	7	23
Titanium	ppm	ASTM D5185m >4	0	0	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >30	▲ 37	2	17
Lead	ppm	ASTM D5185m >25	0	0	0
Copper	ppm	ASTM D5185m >50	<1	<1	<1
Tin	ppm	ASTM D5185m >5	0	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	27	147	154
Barium	ppm	ASTM D5185m 200	<1	0	1
Molybdenum	ppm	ASTM D5185m 12	<1	0	<1
Manganese	ppm	ASTM D5185m	3	2	7
Magnesium	ppm	ASTM D5185m 12	2	0	2
Calcium	ppm	ASTM D5185m 150	123	20	25
Phosphorus	ppm	ASTM D5185m 1650	512	964	1008
Zinc	ppm	ASTM D5185m 125	258	8	20
Sulfur	ppm	ASTM D5185m 22500	10563	21942	23355

CONTAMINANTS

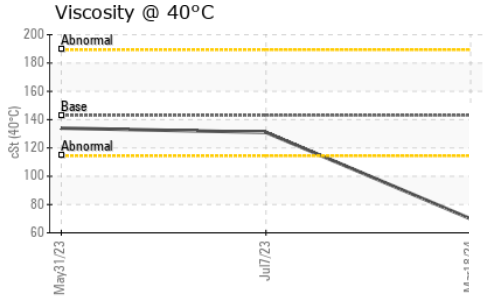
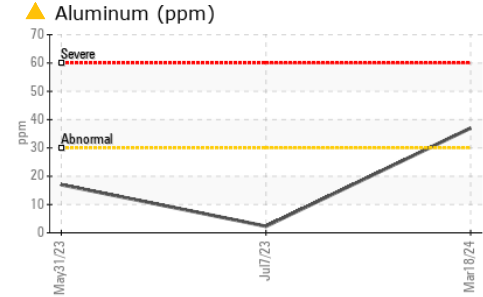
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >230	81	95	166
Sodium	ppm	ASTM D5185m >170	2	4	5
Potassium	ppm	ASTM D5185m >20	<1	0	3

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



OIL ANALYSIS REPORT



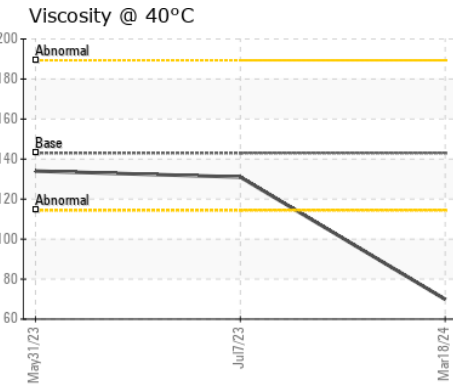
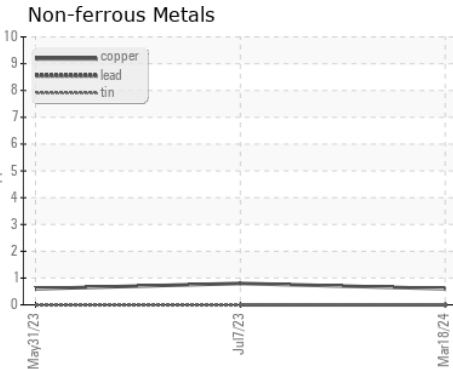
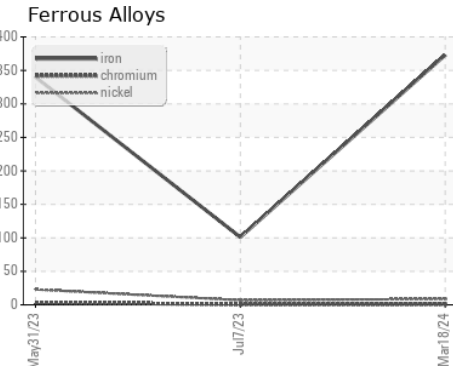
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 143	69.9	131	134

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color		no image	no image	no image
Bottom		no image	no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0112094 **Received** : 21 Mar 2024
Lab Number : 06125186 **Tested** : 25 Mar 2024
Unique Number : 10939337 **Diagnosed** : 25 Mar 2024 - Sean Felton
Test Package : FLEET

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