



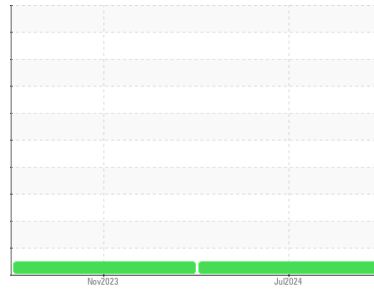
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
413065
 Component
1 Differential
 Fluid
GEAR OIL SAE 80W90 (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: 1st Axle / Pusher)

Wear

All 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		GFL0123579	GFL0094111	---
Sample Date	Client Info		01 Jul 2024	02 Nov 2023	---
Machine Age	mls	Client Info	58077	32468	---
Oil Age	mls	Client Info	58077	32468	---
Oil Changed	Client Info		Not Chngd	Changed	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >1200	143	83	---
Chromium	ppm	ASTM D5185m >8	1	<1	---
Nickel	ppm	ASTM D5185m >20	4	3	---
Titanium	ppm	ASTM D5185m >4	0	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >30	2	<1	---
Lead	ppm	ASTM D5185m >25	<1	0	---
Copper	ppm	ASTM D5185m >50	6	<1	---
Tin	ppm	ASTM D5185m >5	<1	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	100	240	---
Barium	ppm	ASTM D5185m 200	0	0	---
Molybdenum	ppm	ASTM D5185m 12	0	0	---
Manganese	ppm	ASTM D5185m	3	2	---
Magnesium	ppm	ASTM D5185m 12	2	2	---
Calcium	ppm	ASTM D5185m 150	5	17	---
Phosphorus	ppm	ASTM D5185m 1650	760	897	---
Zinc	ppm	ASTM D5185m 125	28	11	---
Sulfur	ppm	ASTM D5185m 22500	22702	19862	---

CONTAMINANTS

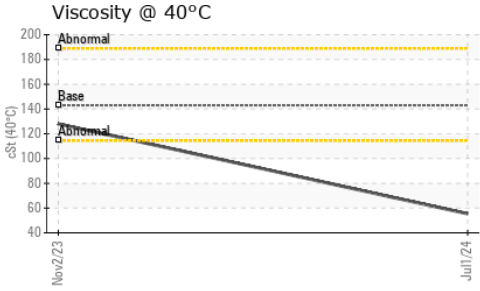
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >230	67	55	---
Sodium	ppm	ASTM D5185m >170	3	4	---
Potassium	ppm	ASTM D5185m >20	2	<1	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
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 >.2	NEG	NEG	---
Free Water	scalar	*Visual	NEG	NEG	---



OIL ANALYSIS REPORT



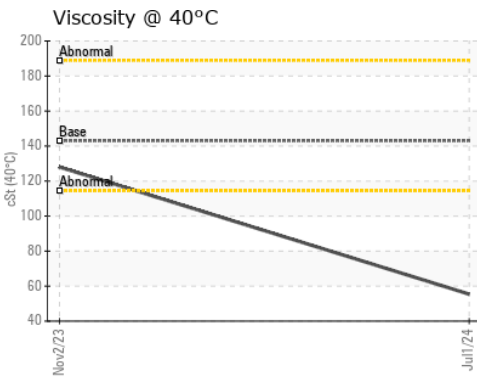
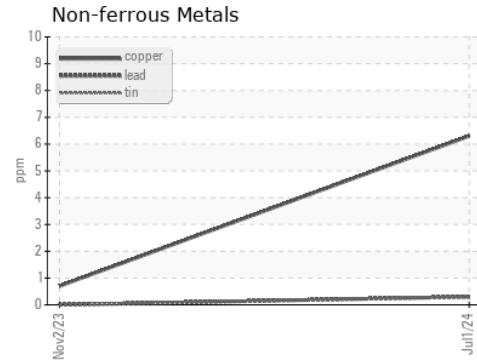
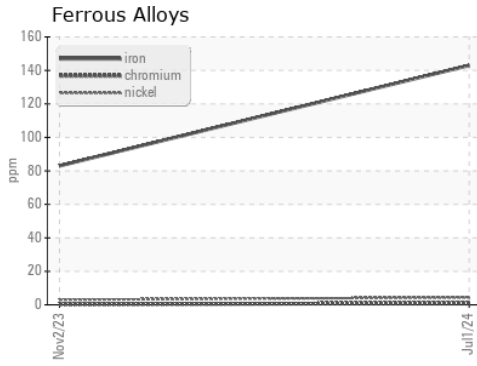
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	143	55.4	128	---

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. : GFL0123579
Lab Number : **06230579**
Unique Number : 11114072
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)

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F: