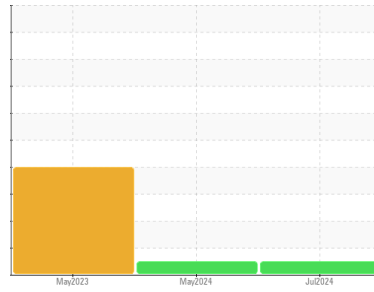




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
426147
 Component
1 Differential
 Fluid
TDTO FLUID SAE 10W (--- 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		GFL0128747	GFL0112044	GFL0085425
Sample Date	Client Info		10 Jul 2024	10 May 2024	31 May 2023
Machine Age	mls	Client Info	342476	342476	291871
Oil Age	mls	Client Info	291871	342476	0
Oil Changed	Client Info		Not Changed	Oil Added	Changed
Sample Status			NORMAL	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	344	457	▲ 755
Chromium	ppm	ASTM D5185m >10	2	3	6
Nickel	ppm	ASTM D5185m >10	3	5	▲ 22
Titanium	ppm	ASTM D5185m	<1	<1	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	2	2	● 9
Lead	ppm	ASTM D5185m >25	0	<1	1
Copper	ppm	ASTM D5185m >100	4	17	40
Tin	ppm	ASTM D5185m >10	0	0	2
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 37	5	39	222
Barium	ppm	ASTM D5185m 7	0	0	<1
Molybdenum	ppm	ASTM D5185m 5	<1	2	1
Manganese	ppm	ASTM D5185m	4	5	16
Magnesium	ppm	ASTM D5185m 40	2	5	3
Calcium	ppm	ASTM D5185m 2650	293	2386	39
Phosphorus	ppm	ASTM D5185m 1050	546	872	1444
Zinc	ppm	ASTM D5185m 1075	126	862	134
Sulfur	ppm	ASTM D5185m 5750	17839	6185	28504

CONTAMINANTS

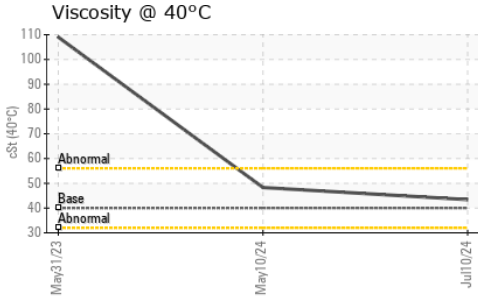
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	26	25	▲ 113
Sodium	ppm	ASTM D5185m	4	2	8
Potassium	ppm	ASTM D5185m >20	2	1	28

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

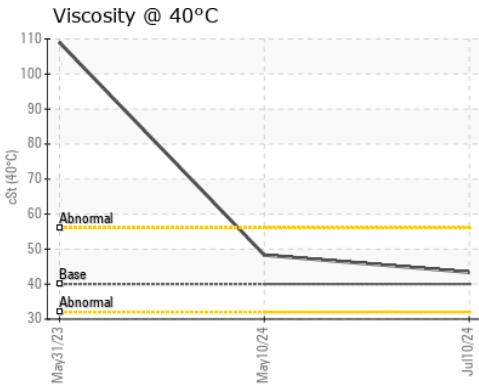
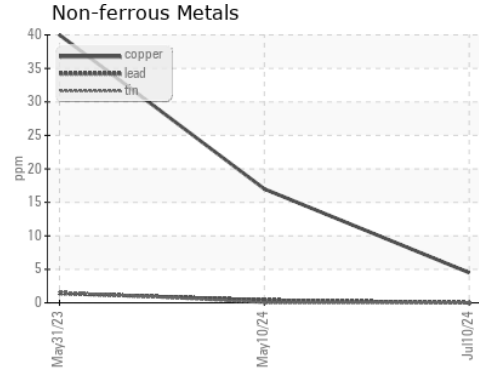
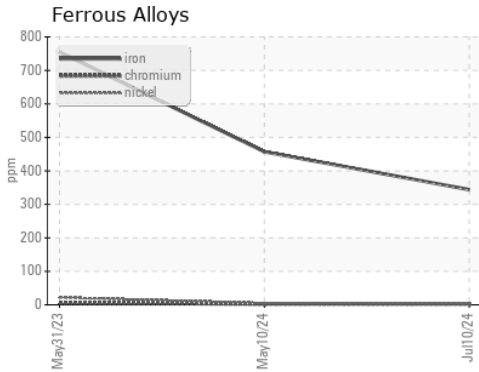


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	40	43.4	48.3	109

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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. : GFL0128747
Lab Number : **06238244**
Unique Number : 11127078
Test Package : FLEET

Received : 16 Jul 2024
Tested : 17 Jul 2024
Diagnosed : 18 Jul 2024 - Sean Felton

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)

T:
F: