

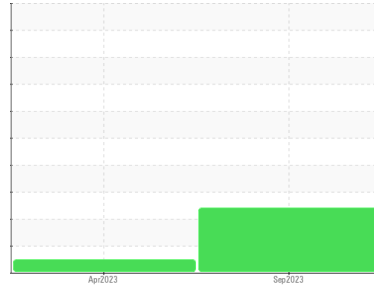


PROBLEM SUMMARY



Machine Id
413069
Component
Transmission
Fluid
Transmission Oil (--- GAL)

Sample Rating Trend



VISCOSITY

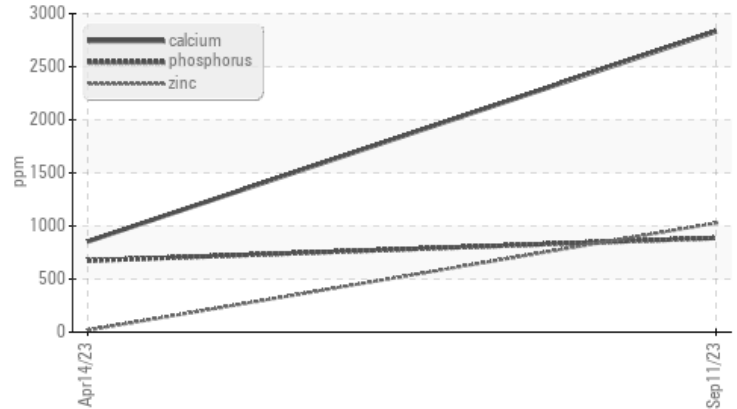


COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



▲ Additives



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	NORMAL	---
Boron	ppm	ASTM D5185m	▲ 0	<1	---
Magnesium	ppm	ASTM D5185m	▲ 10	2	---
Calcium	ppm	ASTM D5185m	▲ 2832	853	---
Phosphorus	ppm	ASTM D5185m	▲ 887	673	---
Zinc	ppm	ASTM D5185m	▲ 1027	17	---
Visc @ 40°C	cSt	ASTM D445	▲ 58.2	103	---

Customer Id: GFL983
Sample No.: GFL0094096
Lab Number: 05953103
Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

HISTORICAL DIAGNOSIS

14 Apr 2023 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

view report





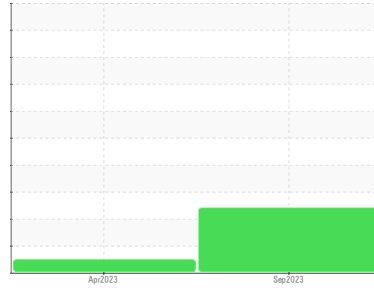
OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY



Machine Id
413069
 Component
Transmission
 Fluid
Transmission Oil (--- GAL)



DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

The fluid viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of fluid. Confirm oil type.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0094096	GFL0075386	---
Sample Date	Client Info	11 Sep 2023	14 Apr 2023	---
Machine Age	mls	Client Info	35682	17504
Oil Age	mls	Client Info	35682	0
Oil Changed	Client Info	Changed	N/A	---
Sample Status		ATTENTION	NORMAL	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >320	13	58
Chromium	ppm	ASTM D5185m >5	<1	1
Nickel	ppm	ASTM D5185m >5	<1	1
Titanium	ppm	ASTM D5185m	0	0
Silver	ppm	ASTM D5185m	0	0
Aluminum	ppm	ASTM D5185m >50	3	0
Lead	ppm	ASTM D5185m >65	<1	<1
Copper	ppm	ASTM D5185m >95	48	55
Tin	ppm	ASTM D5185m >6	<1	<1
Vanadium	ppm	ASTM D5185m	0	0
Cadmium	ppm	ASTM D5185m	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	▲ 0	<1
Barium	ppm	ASTM D5185m	0	0
Molybdenum	ppm	ASTM D5185m	<1	1
Manganese	ppm	ASTM D5185m	4	41
Magnesium	ppm	ASTM D5185m	▲ 10	2
Calcium	ppm	ASTM D5185m	▲ 2832	853
Phosphorus	ppm	ASTM D5185m	▲ 887	673
Zinc	ppm	ASTM D5185m	▲ 1027	17
Sulfur	ppm	ASTM D5185m	4578	4596

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >65	21	37
Sodium	ppm	ASTM D5185m	3	3
Potassium	ppm	ASTM D5185m >20	2	3

VISUAL

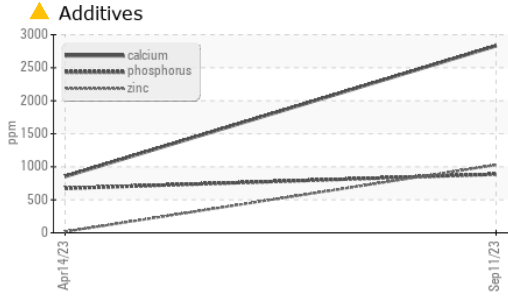
method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE
Yellow Metal	scalar	*Visual NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	MODER
Debris	scalar	*Visual NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	NONE
Appearance	scalar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

FLUID PROPERTIES

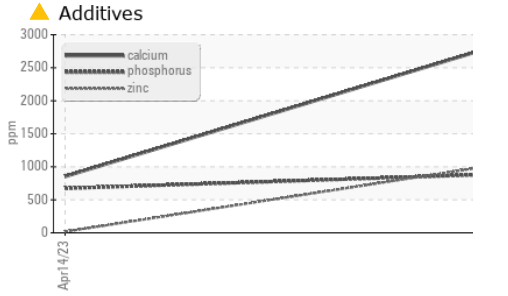
method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	▲ 58.2	103



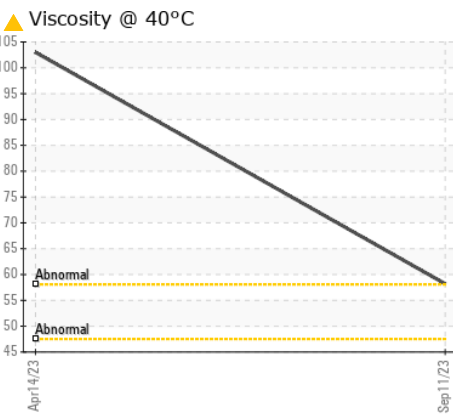
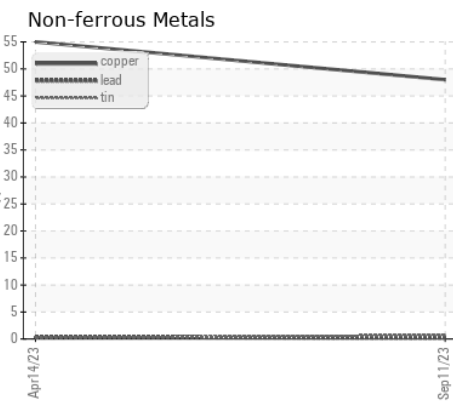
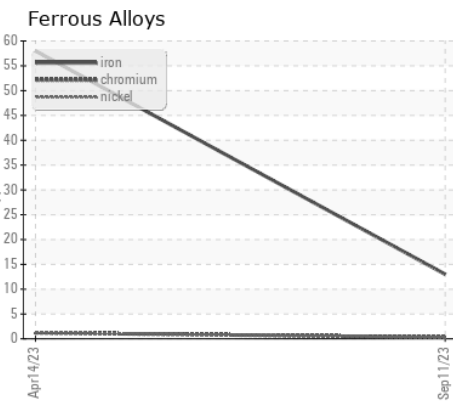
OIL ANALYSIS REPORT



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. : GFL0094096 **Received** : 15 Sep 2023
Lab Number : **05953103** **Diagnosed** : 20 Sep 2023
Unique Number : 10649062 **Diagnostician** : Jonathan Hester
Test Package : FLEET

GFL Environmental - 983 - Sugar Land Hauling
 16011 West Belfort Street
 Sugar Land, TX
 US 77498
 Contact: Gino Griego
 ggriego@gflenv.com

Certificate L2367
 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)