

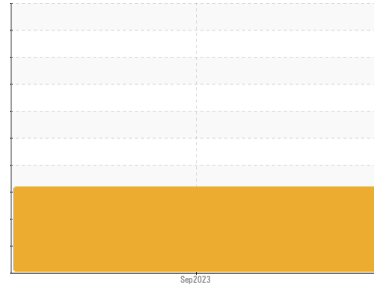


PROBLEM SUMMARY



Machine Id
413069
 Component
2 Differential
 Fluid
NOT GIVEN (--- GAL)

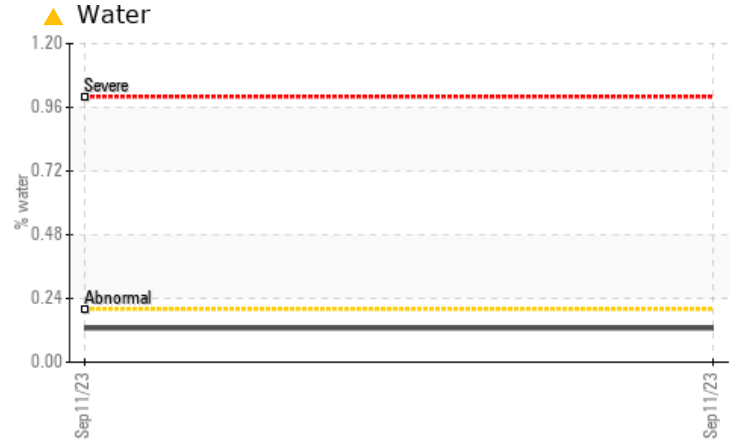
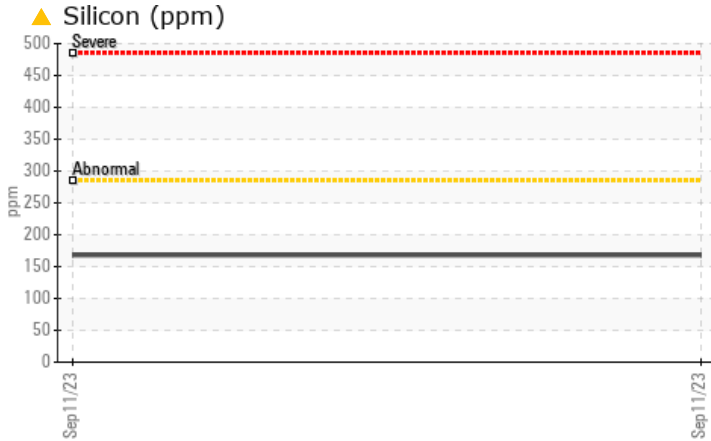
Sample Rating Trend



WATER



COMPONENT CONDITION SUMMARY



RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: 2nd Axle / Tag)

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Silicon	ppm	ASTM D5185m	>285	▲ 168	---	---
Water	%	ASTM D6304	>.2	▲ 0.128	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 1280	---	---

Customer Id: GFL983
 Sample No.: GFL0094098
 Lab Number: 05953071
 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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



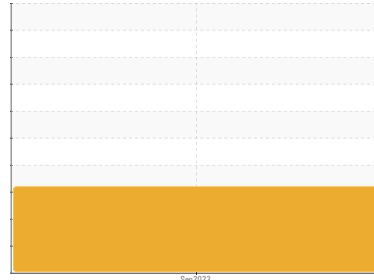
OIL ANALYSIS REPORT

Sample Rating Trend

WATER



Machine Id
413069
Component
2 Differential
Fluid
NOT GIVEN (--- 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: 2nd Axle / Tag)

Wear

All component wear rates are normal.

▲ Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material. There is a trace of moisture present 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	GFL0094098	---	---
Sample Date	Client Info	11 Sep 2023	---	---
Machine Age	hrs	Client Info	35682	---
Oil Age	hrs	Client Info	35682	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >870	142	---
Chromium	ppm	ASTM D5185m >8	1	---
Nickel	ppm	ASTM D5185m >25	6	---
Titanium	ppm	ASTM D5185m >4	0	---
Silver	ppm	ASTM D5185m	0	---
Aluminum	ppm	ASTM D5185m >40	7	---
Lead	ppm	ASTM D5185m >25	<1	---
Copper	ppm	ASTM D5185m >60	2	---
Tin	ppm	ASTM D5185m >5	<1	---
Vanadium	ppm	ASTM D5185m	0	---
Cadmium	ppm	ASTM D5185m	0	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	310	---
Barium	ppm	ASTM D5185m	<1	---
Molybdenum	ppm	ASTM D5185m	0	---
Manganese	ppm	ASTM D5185m	4	---
Magnesium	ppm	ASTM D5185m	5	---
Calcium	ppm	ASTM D5185m	14	---
Phosphorus	ppm	ASTM D5185m	1002	---
Zinc	ppm	ASTM D5185m	11	---
Sulfur	ppm	ASTM D5185m	23686	---

CONTAMINANTS

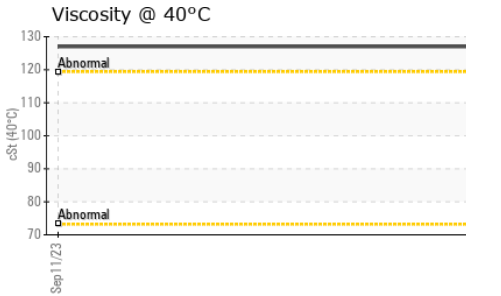
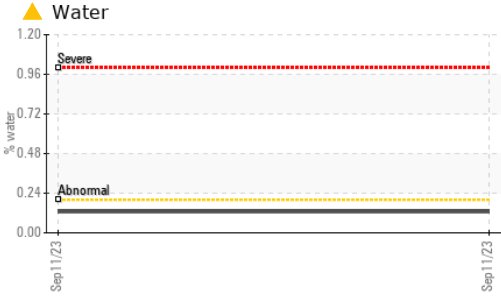
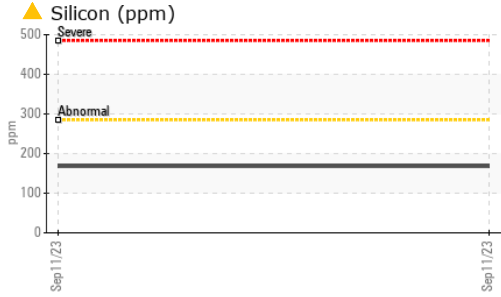
method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >285	▲ 168	---
Sodium	ppm	ASTM D5185m	3	---
Potassium	ppm	ASTM D5185m >20	0	---
Water	%	ASTM D6304 >.2	▲ 0.128	---
ppm Water	ppm	ASTM D6304 >2000	▲ 1280	---

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	---
Silt	scalar	*Visual NONE	NONE	---
Debris	scalar	*Visual NONE	NONE	---
Sand/Dirt	scalar	*Visual NONE	NONE	---
Appearance	scalar	*Visual NORML	NORML	---
Odor	scalar	*Visual NORML	NORML	---
Emulsified Water	scalar	*Visual >.2	0.2%	---
Free Water	scalar	*Visual	NEG	---



OIL ANALYSIS REPORT

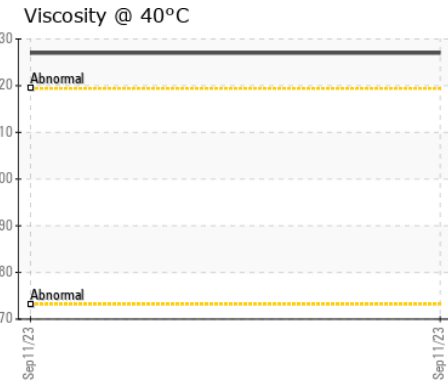
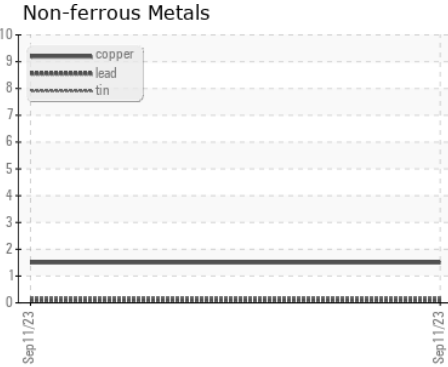
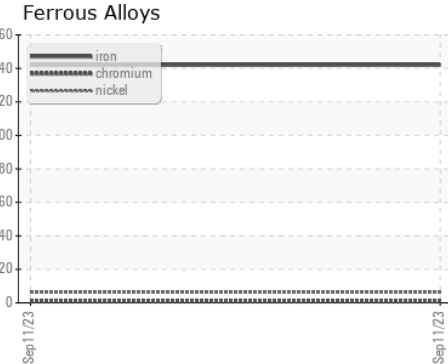


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		127	---	---

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. : GFL0094098
Lab Number : 05953071
Unique Number : 10649030
Test Package : FLEET (Additional Tests: KF)

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: