



PROBLEM SUMMARY

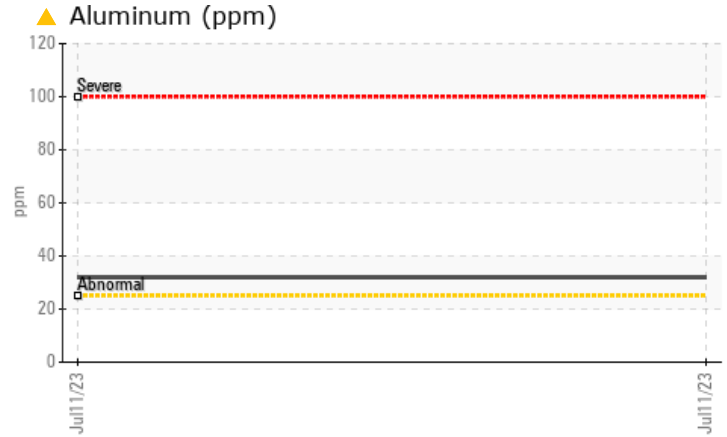
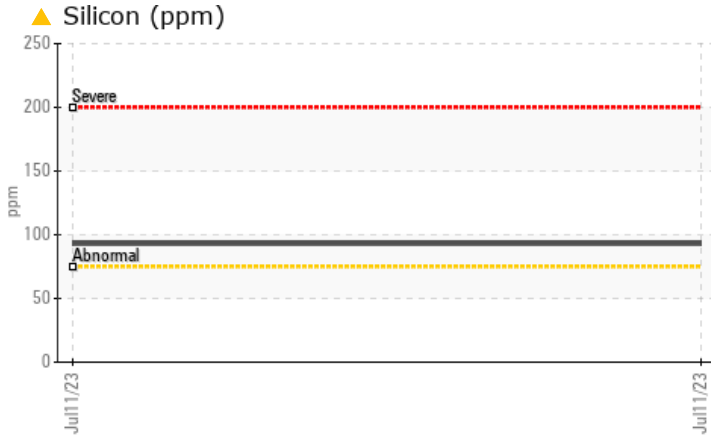


Machine Id
426139
 Component
2 Differential
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: 2nd / Tag)

PROBLEMATIC TEST RESULTS

Sample Status	ABNORMAL		---	---
Aluminum	ppm	ASTM D5185m >25	▲ 32	---
Silicon	ppm	ASTM D5185m >75	▲ 93	---

Customer Id: GFL983
 Sample No.: GFL0085454
 Lab Number: 05900311
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Sean Felton +1 919-379-4092
sfelton@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
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

HISTORICAL DIAGNOSIS



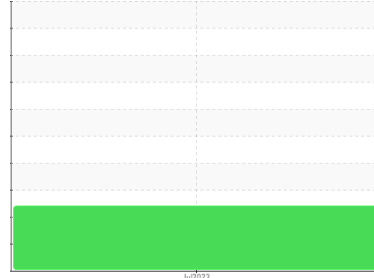
OIL ANALYSIS REPORT

Sample Rating Trend

DIRT



Machine Id
426139
 Component
2 Differential
 Fluid
GEAR OIL SAE 75W90 (--- GAL)



DIAGNOSIS

Recommendation

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: 2nd / Tag)

Wear

All component wear rates are normal.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

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	GFL0085454	---	---
Sample Date	Client Info	11 Jul 2023	---	---
Machine Age	mls Client Info	217792	---	---
Oil Age	mls Client Info	217792	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >500	332	---	---
Chromium ppm	ASTM D5185m >10	3	---	---
Nickel ppm	ASTM D5185m >10	<1	---	---
Titanium ppm	ASTM D5185m	<1	---	---
Silver ppm	ASTM D5185m	0	---	---
Aluminum ppm	ASTM D5185m >25	▲ 32	---	---
Lead ppm	ASTM D5185m >25	0	---	---
Copper ppm	ASTM D5185m >100	2	---	---
Tin ppm	ASTM D5185m >10	<1	---	---
Vanadium ppm	ASTM D5185m	0	---	---
Cadmium ppm	ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m 400	197	---	---
Barium ppm	ASTM D5185m 200	<1	---	---
Molybdenum ppm	ASTM D5185m 12	<1	---	---
Manganese ppm	ASTM D5185m	13	---	---
Magnesium ppm	ASTM D5185m 12	0	---	---
Calcium ppm	ASTM D5185m 150	22	---	---
Phosphorus ppm	ASTM D5185m 1650	1258	---	---
Zinc ppm	ASTM D5185m 125	22	---	---
Sulfur ppm	ASTM D5185m 22500	22042	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >75	▲ 93	---	---
Sodium ppm	ASTM D5185m	4	---	---
Potassium ppm	ASTM D5185m >20	4	---	---

VISUAL

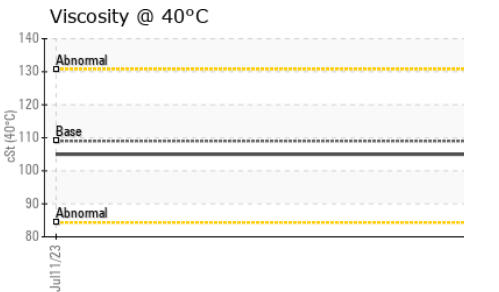
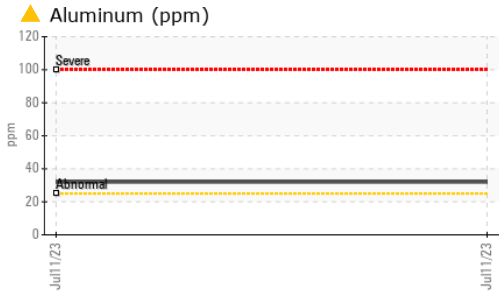
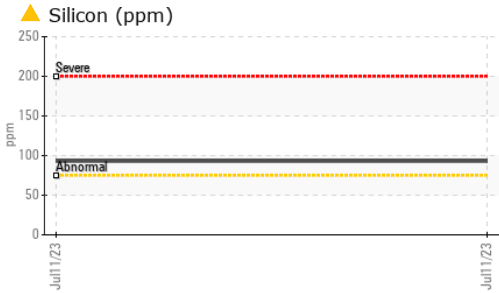
method	limit/base	current	history1	history2
White Metal scalar	*Visual NONE	MODER	---	---
Yellow Metal scalar	*Visual NONE	NONE	---	---
Precipitate scalar	*Visual NONE	NONE	---	---
Silt scalar	*Visual NONE	NONE	---	---
Debris scalar	*Visual NONE	NONE	---	---
Sand/Dirt scalar	*Visual NONE	NONE	---	---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

FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C cSt	ASTM D445 109	105	---	---

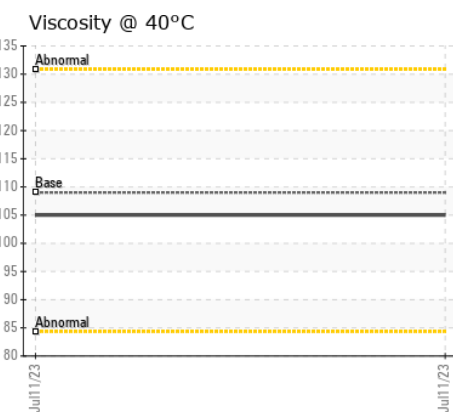
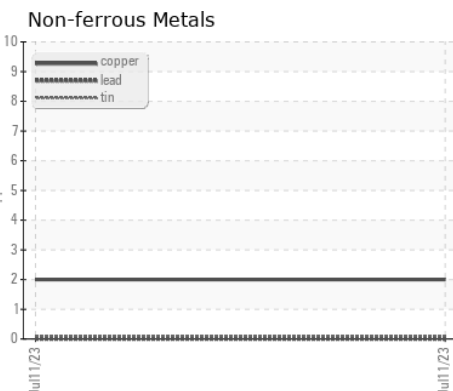
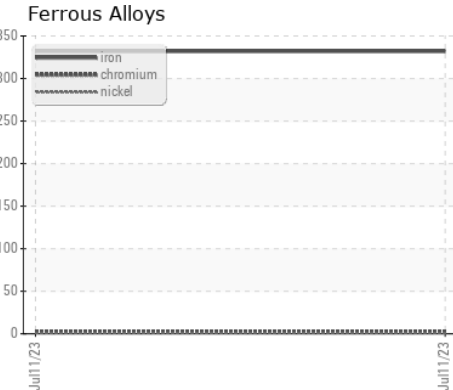


OIL ANALYSIS REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0085454 **Received** : 17 Jul 2023
Lab Number : 05900311 **Diagnosed** : 19 Jul 2023
Unique Number : 10561667 **Diagnostician** : 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)

T:
F: