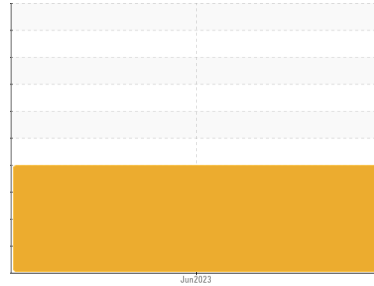




PROBLEM SUMMARY

Sample Rating Trend



DIRT



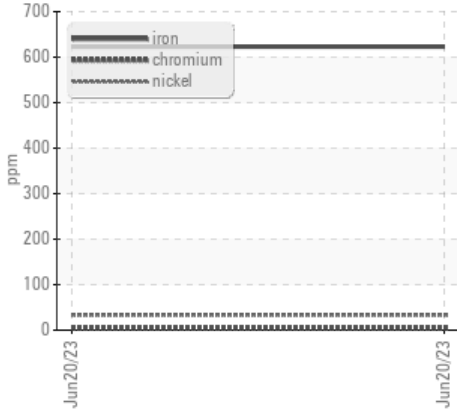
Machine Id
427193

Component
2 Differential

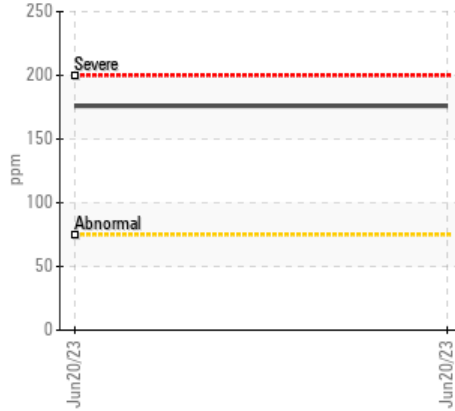
Fluid
GEAR OIL SAE 75W90 (--- GAL)

COMPONENT CONDITION SUMMARY

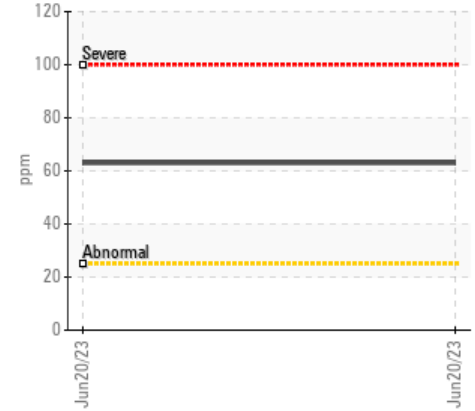
▲ Ferrous Alloys



▲ Silicon (ppm)



▲ Aluminum (ppm)



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: Tag axle (2nd))

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>500	▲ 623	---	---
Nickel	ppm	ASTM D5185m	>10	▲ 33	---	---
Aluminum	ppm	ASTM D5185m	>25	▲ 63	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 176	---	---

Customer Id: GFL983
 Sample No.: GFL0085428
 Lab Number: 05887002
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

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

RECOMMENDED ACTIONS

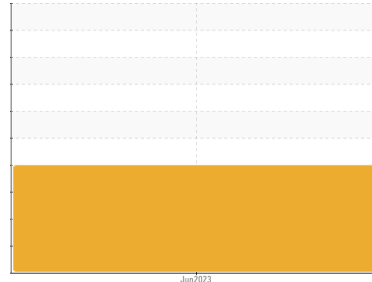
Action	Status	Date	Done By	Description
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id
427193

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: Tag axle (2nd))

▲ Wear

Gear wear is indicated.

▲ 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	history 1	history 2
Sample Number	Client Info	GFL0085428	---	---
Sample Date	Client Info	20 Jun 2023	---	---
Machine Age	mls	Client Info	301654	---
Oil Age	mls	Client Info	301654	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m >500	▲ 623	---
Chromium	ppm	ASTM D5185m >10	5	---
Nickel	ppm	ASTM D5185m >10	▲ 33	---
Titanium	ppm	ASTM D5185m	< 1	---
Silver	ppm	ASTM D5185m	0	---
Aluminum	ppm	ASTM D5185m >25	▲ 63	---
Lead	ppm	ASTM D5185m >25	< 1	---
Copper	ppm	ASTM D5185m >100	3	---
Tin	ppm	ASTM D5185m >10	< 1	---
Vanadium	ppm	ASTM D5185m	0	---
Cadmium	ppm	ASTM D5185m	< 1	---

ADDITIVES

method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m 400	165	---
Barium	ppm	ASTM D5185m 200	0	---
Molybdenum	ppm	ASTM D5185m 12	0	---
Manganese	ppm	ASTM D5185m	11	---
Magnesium	ppm	ASTM D5185m 12	5	---
Calcium	ppm	ASTM D5185m 150	42	---
Phosphorus	ppm	ASTM D5185m 1650	1204	---
Zinc	ppm	ASTM D5185m 125	42	---
Sulfur	ppm	ASTM D5185m 22500	23131	---

CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m >75	▲ 176	---
Sodium	ppm	ASTM D5185m	3	---
Potassium	ppm	ASTM D5185m >20	12	---

VISUAL

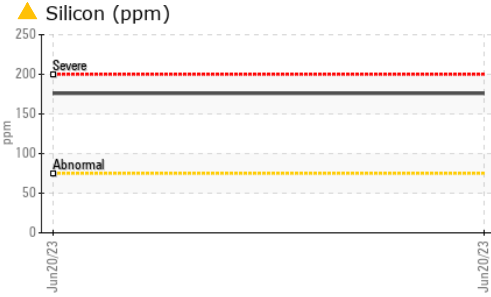
method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	---
Silt	scalar	*Visual NONE	NONE	---
Debris	scalar	*Visual NONE	NONE	---
Sand/Dirt	scalar	*Visual NONE	NONE	---
Appearance	scalar	*Visual NORML	NORML	---
Odor	scalar	*Visual NORML	NORML	---
Emulsified Water	scalar	*Visual >.2	NEG	---
Free Water	scalar	*Visual	NEG	---

FLUID PROPERTIES

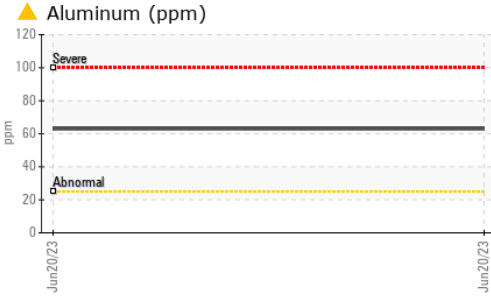
method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445 109	101	---



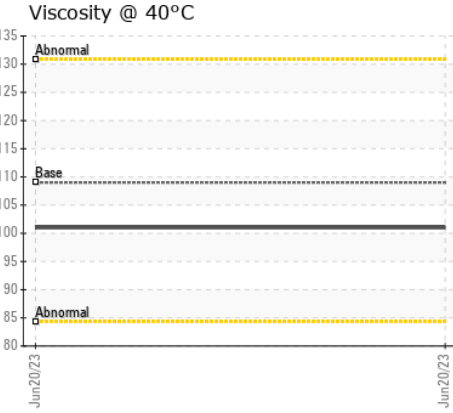
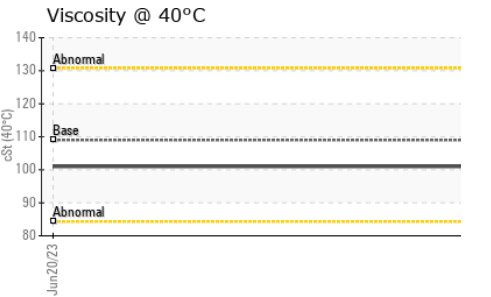
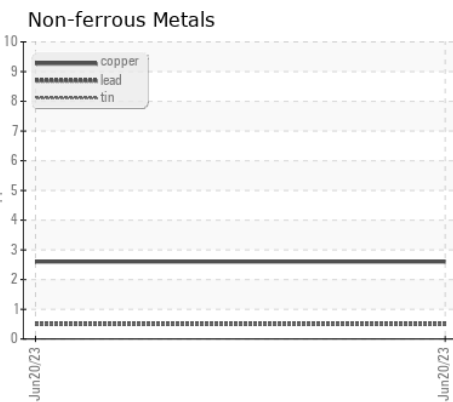
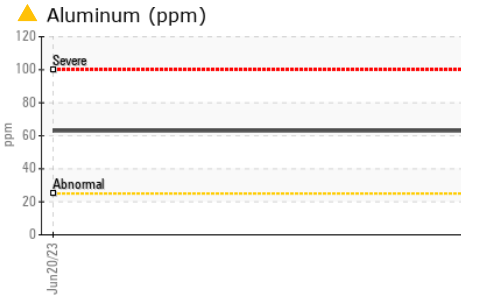
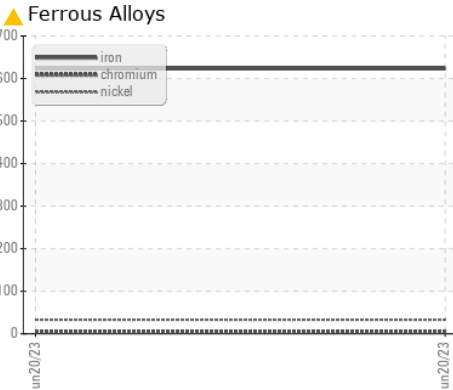
OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color				no image	no image
Bottom				no image	no image



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0085428
Lab Number : 05887002
Unique Number : 10537485
Test Package : FLEET
Received : 29 Jun 2023
Diagnosed : 03 Jul 2023
Diagnostician : Don Baldrige

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)