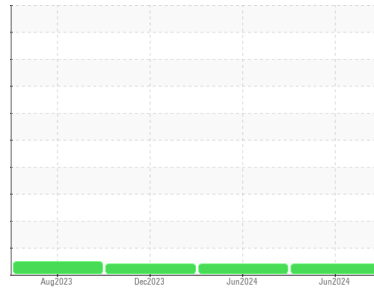




OIL ANALYSIS REPORT

Machine Id
420095
 Component
1 Differential
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

Sample Rating Trend



VISCOSITY



DIAGNOSIS

Recommendation

The oil 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 oil.

Fluid Condition

The oil viscosity is lower than normal. Confirm oil type.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0123550	GFL0123602	GFL0105536
Sample Date	Client Info		22 Jun 2024	03 Jun 2024	19 Dec 2023
Machine Age	mls	Client Info	141876	126541	109082
Oil Age	mls	Client Info	141876	126541	109082
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			ATTENTION	ATTENTION	ATTENTION

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 >1200	617	368	200
Chromium	ppm	ASTM D5185m >8	4	2	2
Nickel	ppm	ASTM D5185m >20	23	16	13
Titanium	ppm	ASTM D5185m >4	<1	0	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >30	6	2	4
Lead	ppm	ASTM D5185m >25	0	0	0
Copper	ppm	ASTM D5185m >50	2	0	<1
Tin	ppm	ASTM D5185m >5	0	<1	0
Vanadium	ppm	ASTM D5185m	0	0	<1
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	64	28	53
Barium	ppm	ASTM D5185m 200	<1	0	0
Molybdenum	ppm	ASTM D5185m 12	<1	0	0
Manganese	ppm	ASTM D5185m	6	4	3
Magnesium	ppm	ASTM D5185m 12	2	0	0
Calcium	ppm	ASTM D5185m 150	4	8	11
Phosphorus	ppm	ASTM D5185m 1650	742	560	693
Zinc	ppm	ASTM D5185m 125	27	18	7
Sulfur	ppm	ASTM D5185m 22500	17825	19227	17075

CONTAMINANTS

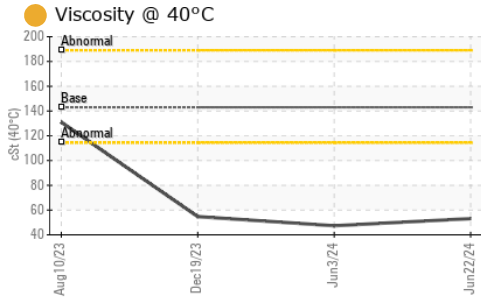
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >230	146	69	91
Sodium	ppm	ASTM D5185m >170	4	1	4
Potassium	ppm	ASTM D5185m >20	2	0	1

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	LIGHT	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



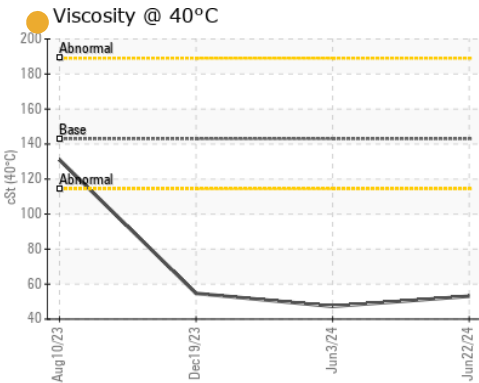
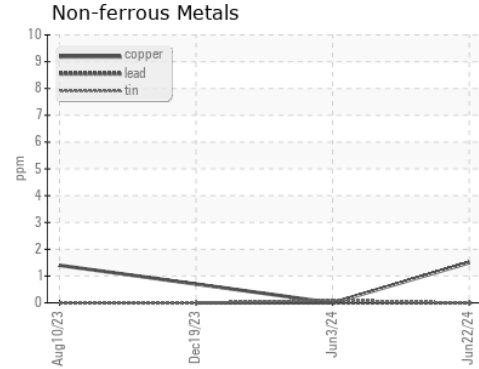
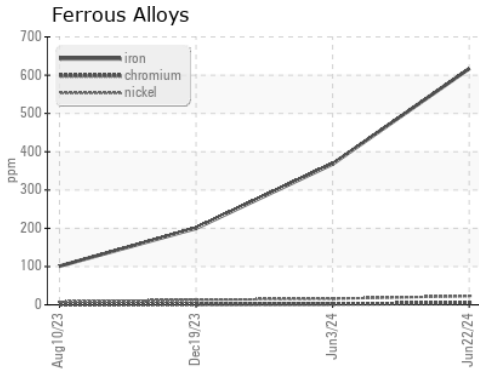
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	143	53.1	47.3, 54.7

SAMPLE IMAGES

method	limit/base	current	history1	history2
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. : GFL0123550
Lab Number : 06222672
Unique Number : 11100869
Test Package : FLEET

Received : 27 Jun 2024
Tested : 28 Jun 2024
Diagnosed : 29 Jun 2024 - 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)

T:
F: