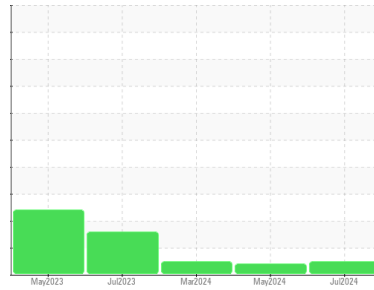




OIL ANALYSIS REPORT

Machine Id
420092
 Component
2 Differential
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: 2nd Axle / Tag)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination 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		GFL0123577	GFL0123607	GFL0112067
Sample Date	Client Info		12 Jul 2024	29 May 2024	18 Mar 2024
Machine Age	mls	Client Info	162521	151032	150271
Oil Age	mls	Client Info	162521	151035	150271
Oil Changed	Client Info		Not Changed	Changed	Changed
Sample Status			NORMAL	ATTENTION	NORMAL

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	356	192	214
Chromium	ppm	ASTM D5185m >8	2	1	<1
Nickel	ppm	ASTM D5185m >20	4	10	11
Titanium	ppm	ASTM D5185m >4	<1	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >30	21	11	11
Lead	ppm	ASTM D5185m >25	0	0	0
Copper	ppm	ASTM D5185m >50	<1	<1	<1
Tin	ppm	ASTM D5185m >5	0	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	21	19	53
Barium	ppm	ASTM D5185m 200	0	0	<1
Molybdenum	ppm	ASTM D5185m 12	<1	<1	<1
Manganese	ppm	ASTM D5185m	3	2	3
Magnesium	ppm	ASTM D5185m 12	2	<1	<1
Calcium	ppm	ASTM D5185m 150	29	43	109
Phosphorus	ppm	ASTM D5185m 1650	395	543	650
Zinc	ppm	ASTM D5185m 125	69	55	278
Sulfur	ppm	ASTM D5185m 22500	15080	13480	10372

CONTAMINANTS

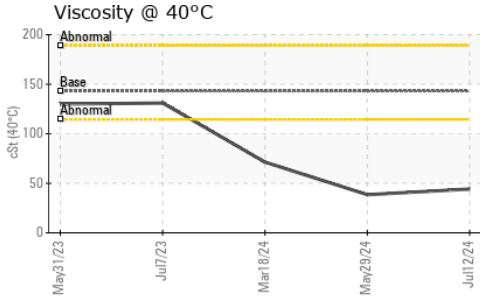
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >230	63	104	72
Sodium	ppm	ASTM D5185m >170	2	3	2
Potassium	ppm	ASTM D5185m >20	0	0	<1

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	NONE	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



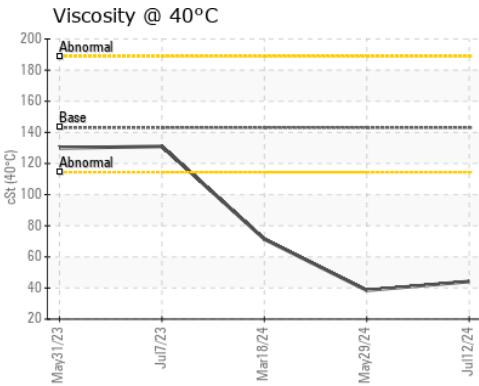
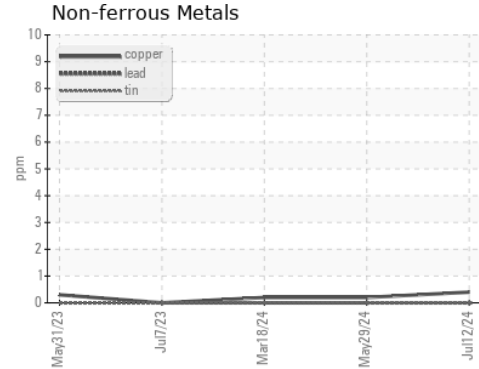
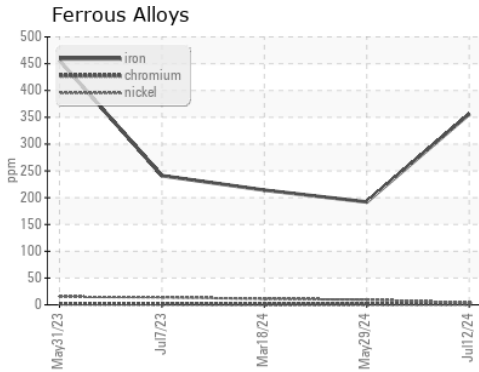
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	143	44.2	38.5	71.4

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. : GFL0123577
Lab Number : **06239486**
Unique Number : 11128320
Test Package : FLEET

Received : 17 Jul 2024
Tested : 18 Jul 2024
Diagnosed : 19 Jul 2024 - Sean Felton

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: