



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Machine Id
420093
Component
2 Differential
Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0128717	GFL0123547	GFL0085450
Sample Date		Client Info		10 Jul 2024	13 Jun 2024	12 Jul 2023
Machine Age	mls	Client Info		148809	148809	112519
Oil Age	mls	Client Info		148809	148809	112519
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	N/A	N/A
Sample Status				ATTENTION	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	132	353	211
Chromium	ppm	ASTM D5185m	>8	<1	2	2
Nickel	ppm	ASTM D5185m	>20	8	7	17
Titanium	ppm	ASTM D5185m	>4	0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	22	6
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
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

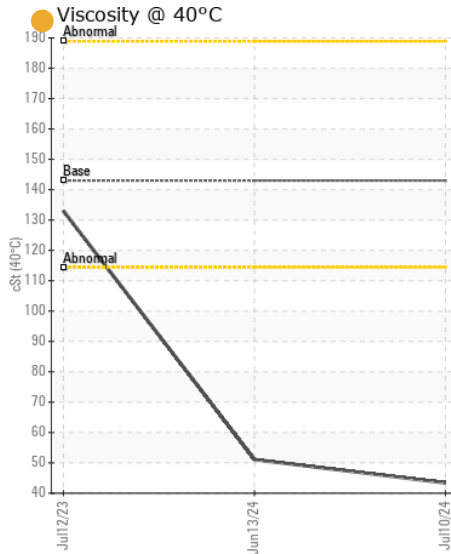
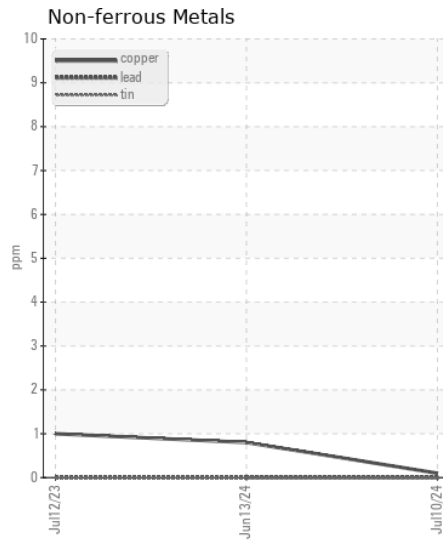
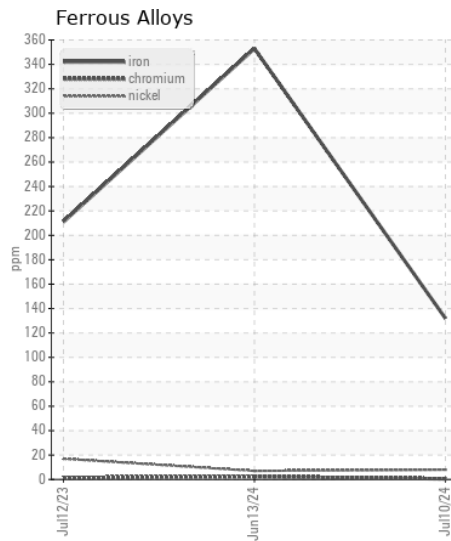
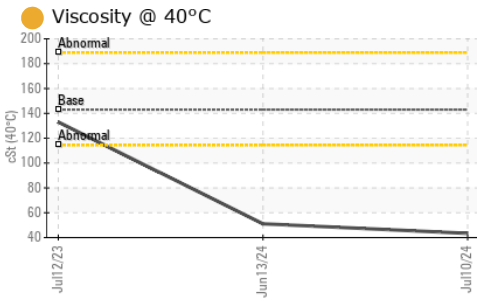
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>230	23	67	168
Potassium	ppm	ASTM D5185m	>20	<1	2	2
Water		WC Method	>.2	NEG	NEG	NEG
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	2	0	2
Boron	ppm	ASTM D5185m	400	20	20	46
Barium	ppm	ASTM D5185m	200	0	0	0
Molybdenum	ppm	ASTM D5185m	12	0	2	<1
Manganese	ppm	ASTM D5185m		2	4	4
Magnesium	ppm	ASTM D5185m	12	1	4	<1
Calcium	ppm	ASTM D5185m	150	21	119	23
Phosphorus	ppm	ASTM D5185m	1650	520	456	648
Zinc	ppm	ASTM D5185m	125	36	327	19
Sulfur	ppm	ASTM D5185m	22500	17822	3702	22986
Visc @ 40°C	cSt	ASTM D445	143	43.4	51.1	133



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0128717
Lab Number : 06238250
Unique Number : 11127084
Test Package : FLEET

Received : 16 Jul 2024
Tested : 17 Jul 2024
Diagnosed : 18 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: