



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
426138
 Component
2 Differential
 Fluid
GEAR OIL LS 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		GFL0105468	GFL0105522	---
Sample Date		Client Info		03 Jul 2024	19 Jan 2024	---
Machine Age	mls	Client Info		289644	277220	---
Oil Age	mls	Client Info		289644	277220	---
Filter Age	mls	Client Info		289644	0	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		Not Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	577	▲ 1119	---
Chromium	ppm	ASTM D5185m	>10	4	8	---
Nickel	ppm	ASTM D5185m	>10	5	▲ 20	---
Titanium	ppm	ASTM D5185m		<1	2	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	3	● 13	---
Lead	ppm	ASTM D5185m	>25	0	<1	---
Copper	ppm	ASTM D5185m	>100	1	3	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

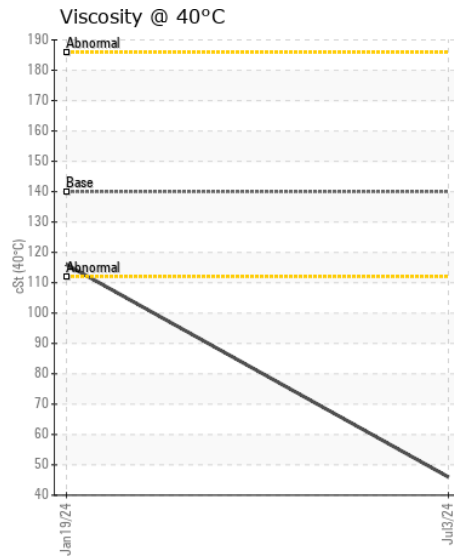
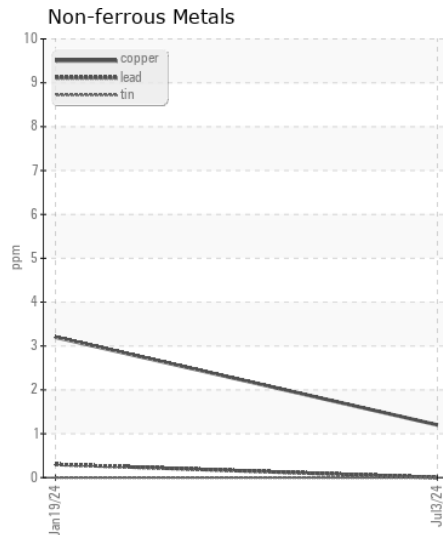
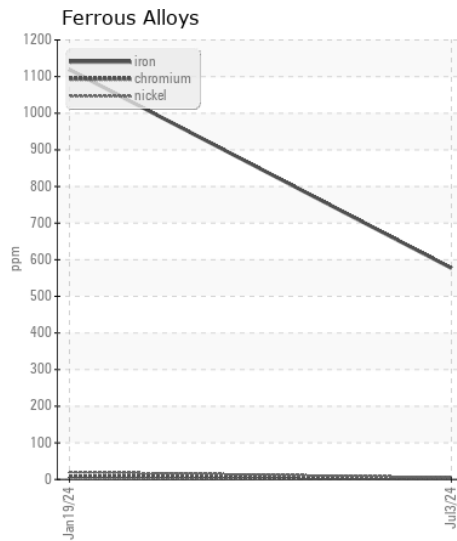
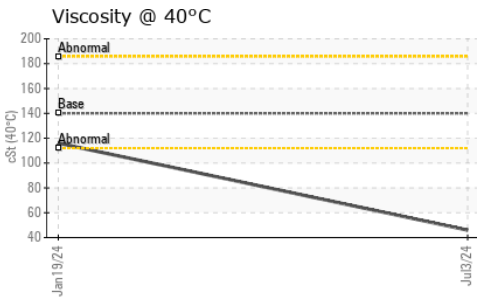
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	44	▲ 153	---
Potassium	ppm	ASTM D5185m	>20	3	9	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	0	---
Boron	ppm	ASTM D5185m	150	43	163	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		1	3	---
Manganese	ppm	ASTM D5185m		4	12	---
Magnesium	ppm	ASTM D5185m	10	1	5	---
Calcium	ppm	ASTM D5185m	70	68	524	---
Phosphorus	ppm	ASTM D5185m	2000	564	972	---
Zinc	ppm	ASTM D5185m	50	26	216	---
Sulfur	ppm	ASTM D5185m	20000	17101	22555	---
Visc @ 40°C	cSt	ASTM D445	140	46.0	116	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0105468
Lab Number : 06235287
Unique Number : 11124121
Test Package : FLEET

Received : 12 Jul 2024
Tested : 15 Jul 2024
Diagnosed : 15 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: