



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



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

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: 1st Axle / Pusher)

WEAR

All component wear rates are normal.

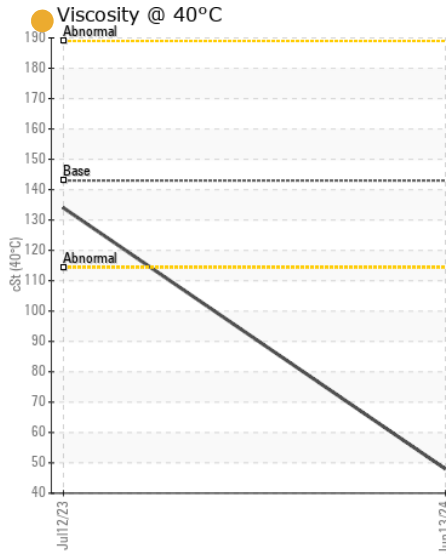
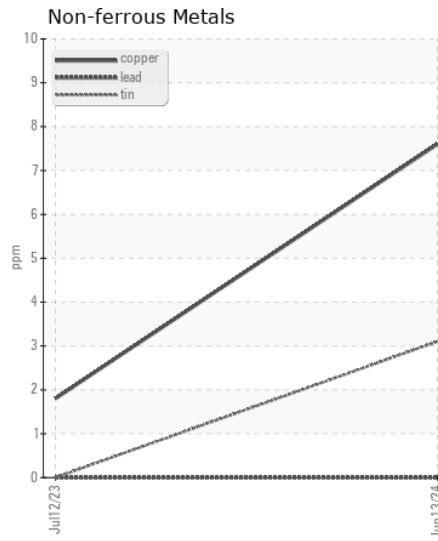
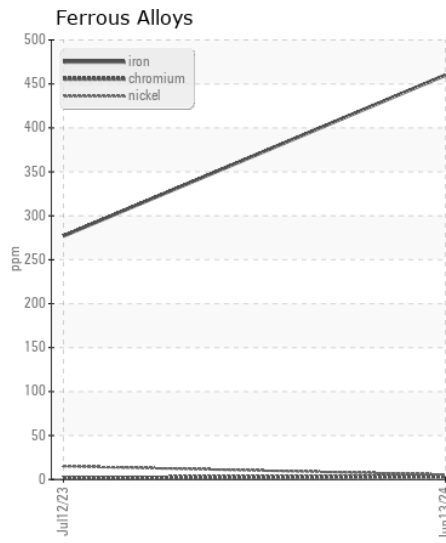
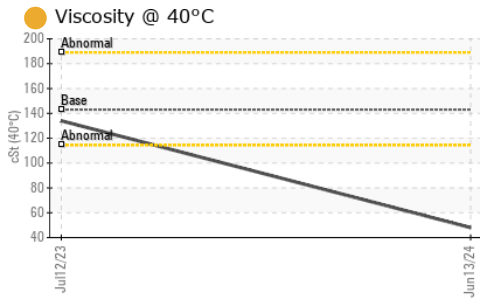
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0123546	GFL0085449	---
Sample Date		Client Info		13 Jun 2024	12 Jul 2023	---
Machine Age	mls	Client Info		148809	112519	---
Oil Age	mls	Client Info		148809	112591	---
Filter Age	mls	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ATTENTION	NORMAL	---
Iron	ppm	ASTM D5185m	>1200	460	277	---
Chromium	ppm	ASTM D5185m	>8	3	2	---
Nickel	ppm	ASTM D5185m	>20	6	15	---
Titanium	ppm	ASTM D5185m	>4	<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>30	19	7	---
Lead	ppm	ASTM D5185m	>25	0	0	---
Copper	ppm	ASTM D5185m	>50	8	2	---
Tin	ppm	ASTM D5185m	>5	3	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>230	50	183	---
Potassium	ppm	ASTM D5185m	>20	2	3	---
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	---
Sodium	ppm	ASTM D5185m	>170	0	6	---
Boron	ppm	ASTM D5185m	400	25	82	---
Barium	ppm	ASTM D5185m	200	0	1	---
Molybdenum	ppm	ASTM D5185m	12	2	<1	---
Manganese	ppm	ASTM D5185m		5	6	---
Magnesium	ppm	ASTM D5185m	12	4	6	---
Calcium	ppm	ASTM D5185m	150	124	20	---
Phosphorus	ppm	ASTM D5185m	1650	460	1005	---
Zinc	ppm	ASTM D5185m	125	329	54	---
Sulfur	ppm	ASTM D5185m	22500	3500	24253	---
Visc @ 40°C	cSt	ASTM D445	143	48.0	134	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0123546
Lab Number : 06213914
Unique Number : 11086778
Test Package : FLEET

Received : 18 Jun 2024
Tested : 20 Jun 2024
Diagnosed : 20 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)

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F: