



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
426139
Component
1 Differential
Fluid
GEAR OIL SAE 75W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. (Customer Sample Comment: 1st Axle / Pusher)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0128765	GFL0089415	GFL0085453
Sample Date		Client Info		11 Jul 2024	25 Jul 2023	11 Jul 2023
Machine Age	mls	Client Info		227368	217792	217792
Oil Age	mls	Client Info		277368	217792	217792
Filter Age	mls	Client Info		227368	0	0
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	SEVERE

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	251	56	▲ 1526
Chromium	ppm	ASTM D5185m	>10	1	<1	▲ 11
Nickel	ppm	ASTM D5185m	>10	0	<1	3
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	● 19
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>100	11	<1	56
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

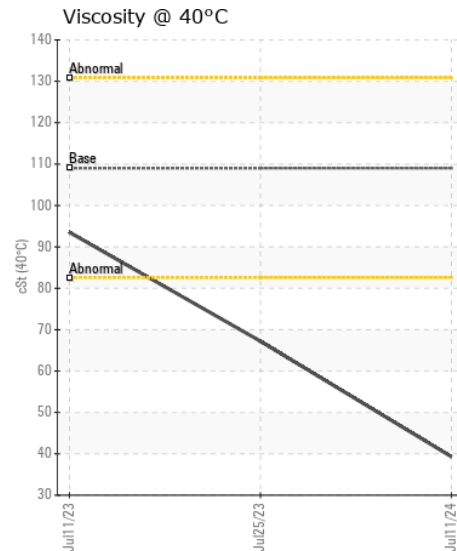
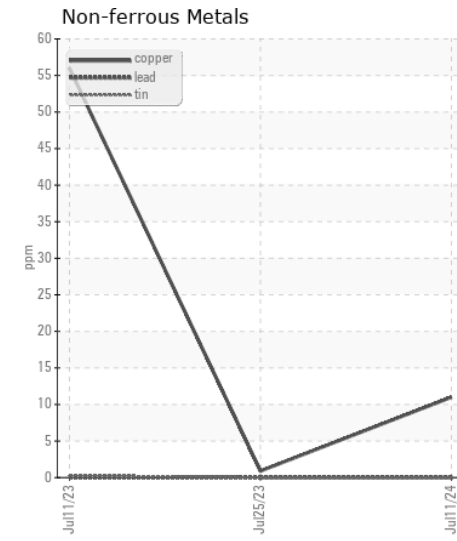
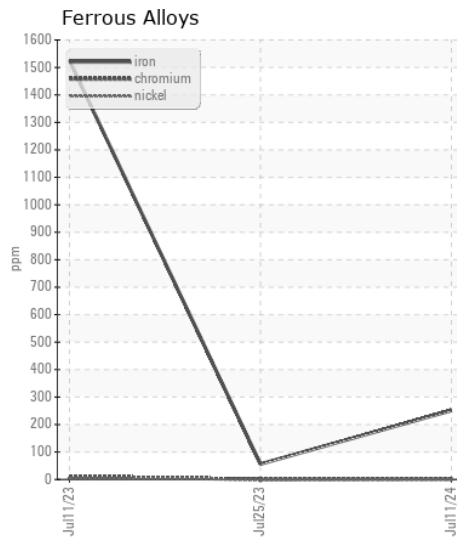
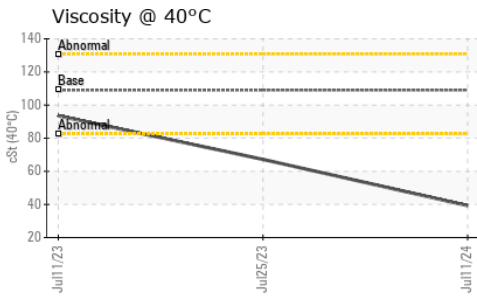
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	22	9	▲ 179
Potassium	ppm	ASTM D5185m	>20	<1	<1	7
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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		2	0	12
Boron	ppm	ASTM D5185m	400	19	6	152
Barium	ppm	ASTM D5185m	200	0	0	<1
Molybdenum	ppm	ASTM D5185m	12	1	1	2
Manganese	ppm	ASTM D5185m		14	4	121
Magnesium	ppm	ASTM D5185m	12	2	0	4
Calcium	ppm	ASTM D5185m	150	134	143	41
Phosphorus	ppm	ASTM D5185m	1650	364	258	1413
Zinc	ppm	ASTM D5185m	125	262	276	43
Sulfur	ppm	ASTM D5185m	22500	3332	1952	23090
Visc @ 40°C	cSt	ASTM D445	109	39.3	67.2	93.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0128765
Lab Number : 06238241
Unique Number : 11127075
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)

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