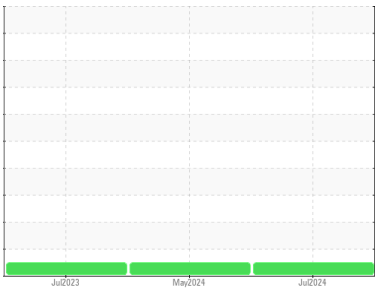
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
429123
Component
2 Differential
Fluid
GEAR OIL SAE 80W90 (--- GAL)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

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		**GFL0128749**	GFL0112127	GFL0085416
Sample Date		Client Info		**10 Jul 2024**	03 May 2024	06 Jul 2023
Machine Age	mls	Client Info		**289187**	270516	232271
Oil Age	mls	Client Info		**289187**	270516	232272
Oil Changed		Client Info		**N/A**	Changed	Changed
Sample Status				**NORMAL**	NORMAL	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	**197**	291	128
Chromium	ppm	ASTM D5185m	>8	**1**	2	<1
Nickel	ppm	ASTM D5185m	>20	**6**	14	12
Titanium	ppm	ASTM D5185m	>4	**0**	<1	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>30	**14**	22	51
Lead	ppm	ASTM D5185m	>25	**0**	<1	0
Copper	ppm	ASTM D5185m	>50	**<1**	2	0
Tin	ppm	ASTM D5185m	>5	**0**	<1	0
Vanadium	ppm	ASTM D5185m		**0**	<1	0
Cadmium	ppm	ASTM D5185m		**0**	<1	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	**34**	66	101
Barium	ppm	ASTM D5185m	200	**0**	0	0
Molybdenum	ppm	ASTM D5185m	12	**0**	3	<1
Manganese	ppm	ASTM D5185m		**2**	4	2
Magnesium	ppm	ASTM D5185m	12	**0**	4	2
Calcium	ppm	ASTM D5185m	150	**29**	136	12
Phosphorus	ppm	ASTM D5185m	1650	**448**	546	1020
Zinc	ppm	ASTM D5185m	125	**41**	218	9
Sulfur	ppm	ASTM D5185m	22500	**14485**	8160	23463

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>230	**41**	72	219
Sodium	ppm	ASTM D5185m	>170	**2**	<1	3
Potassium	ppm	ASTM D5185m	>20	**2**	4	0

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

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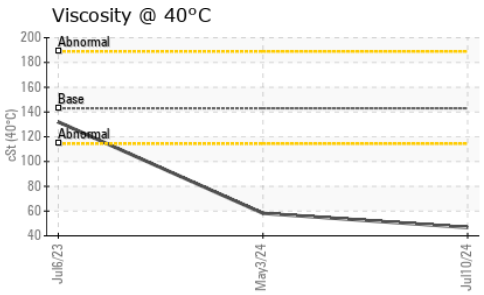
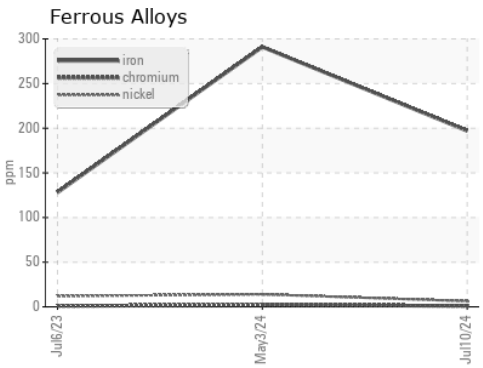
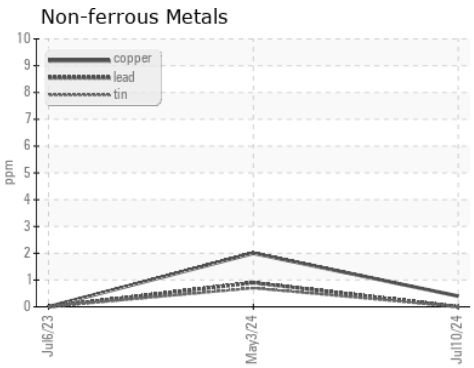


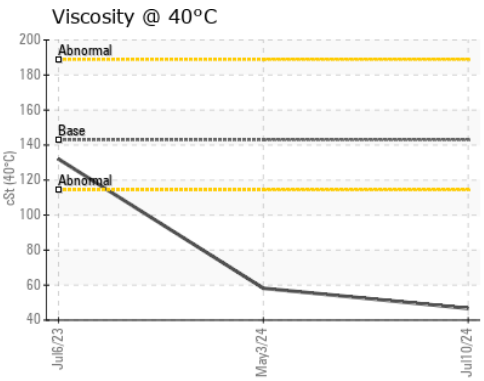
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	143	**46.7**	58.2	132

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS







Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0128749
Lab Number : 06236567
Unique Number : 11125401
Test Package : FLEET

Received : 15 Jul 2024
Tested : 16 Jul 2024
Diagnosed : 17 Jul 2024 - Sean Felton

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)

GFL Environmental - 983 - Sugar Land Hauling
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Sugar Land, TX
US 77498
Contact: TECHNICIAN ACCOUNT
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T:
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Report Id: GFL983 [WUSCAR] 06236567 (Generated: 07/17/2024 11:52:50) Rev: 1

Submitted By: TECHNICIAN ACCOUNT