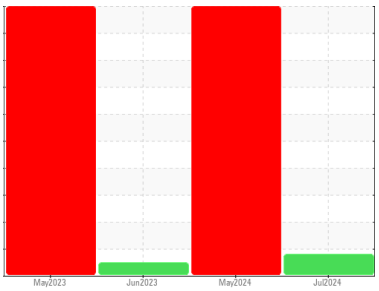
OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Machine Id
426147
Component
2 Differential
Fluid
TDTO FLUID SAE 10W (--- GAL)

DIAGNOSIS

Recommendation
No corrective action is recommended at this time. 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: 2nd Axle / Tag)

Wear
Gear wear is indicated.

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		**GFL0105473**	GFL0112045	GFL0075321
Sample Date		Client Info		**10 Jul 2024**	10 May 2024	16 Jun 2023
Machine Age	mls	Client Info		**352281**	342476	291871
Oil Age	mls	Client Info		**352281**	342476	291871
Oil Changed		Client Info		**Not Changd**	Changed	Oil Added
Sample Status				**ABNORMAL**	SEVERE	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	>500	▲ **872**	▲ 1714	325
Chromium	ppm	ASTM D5185m	>10	**8**	▲ 14	2
Nickel	ppm	ASTM D5185m	>10	**6**	▲ 23	10
Titanium	ppm	ASTM D5185m		**<1**	2	<1
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**4**	● 17	4
Lead	ppm	ASTM D5185m	>25	**0**	0	0
Copper	ppm	ASTM D5185m	>100	**1**	4	1
Tin	ppm	ASTM D5185m	>10	**0**	0	0
Vanadium	ppm	ASTM D5185m		**0**	<1	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

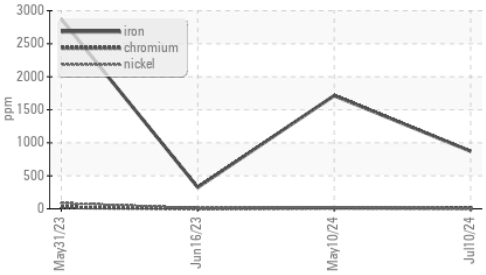
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	37	**12**	40	17
Barium	ppm	ASTM D5185m	7	**0**	<1	0
Molybdenum	ppm	ASTM D5185m	5	**2**	4	<1
Manganese	ppm	ASTM D5185m		**8**	17	4
Magnesium	ppm	ASTM D5185m	40	**2**	9	7
Calcium	ppm	ASTM D5185m	2650	**279**	2138	2712
Phosphorus	ppm	ASTM D5185m	1050	**517**	839	908
Zinc	ppm	ASTM D5185m	1075	**91**	829	1001
Sulfur	ppm	ASTM D5185m	5750	**18269**	5345	6353

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	**51**	▲ 161	36
Sodium	ppm	ASTM D5185m		**3**	6	2
Potassium	ppm	ASTM D5185m	>20	**3**	6	3

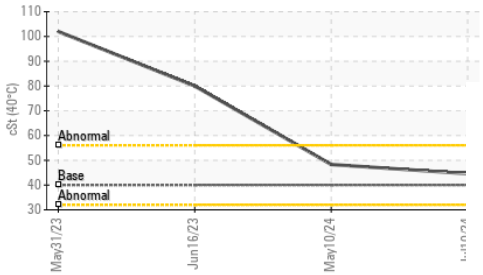
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	LIGHT	MODER
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	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

OIL ANALYSIS REPORT

Ferrous Alloys



Viscosity @ 40°C

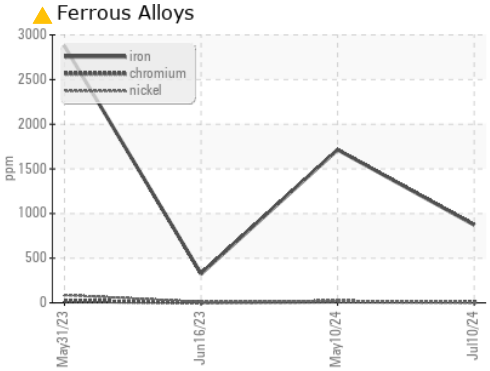


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	40	**44.6**	48.3	80.0

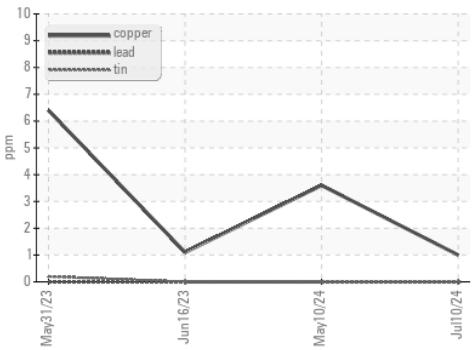
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS

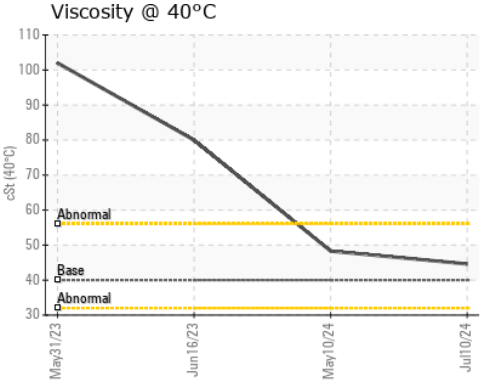
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0105473
Lab Number : 06238243
Unique Number : 11127077
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
T:
F:

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)

Report Id: GFL983 [WUSCAR] 06238243 (Generated: 07/18/2024 12:18:53) Rev: 1

Submitted By: TECHNICIAN ACCOUNT