



Machine Id  
**426137**

Component  
**1 Differential**

Fluid  
**GEAR OIL SAE 75W90 (--- 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**

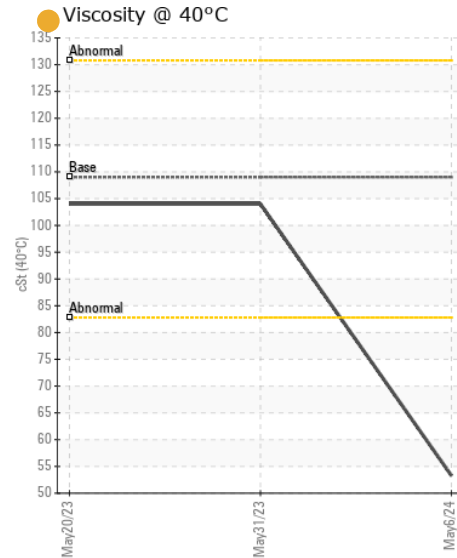
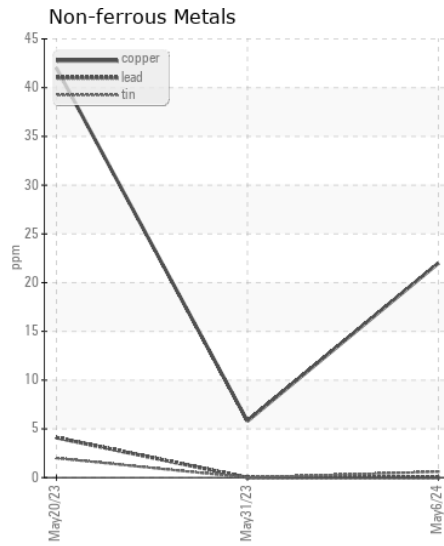
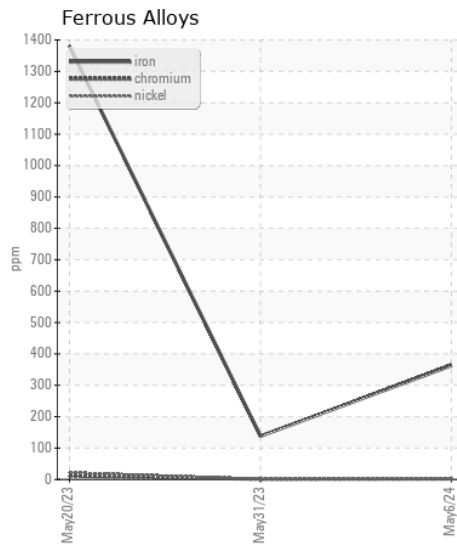
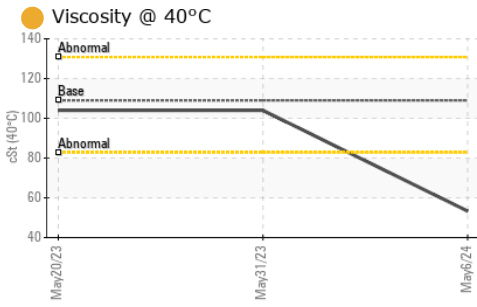
The oil viscosity is lower than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0112057</b>	GFL0085426	GFL0075339
Sample Date		Client Info		<b>06 May 2024</b>	31 May 2023	20 May 2023
Machine Age	mls	Client Info		<b>360096</b>	544078	544075
Oil Age	mls	Client Info		<b>360096</b>	3	0
Filter Age	mls	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	N/A
Sample Status				<b>ATTENTION</b>	NORMAL	ABNORMAL

Iron	ppm	ASTM D5185m	>500	<b>363</b>	138	▲ 1381
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	1	▲ 11
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	2	▲ 22
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	● 8
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	4
Copper	ppm	ASTM D5185m	>100	<b>22</b>	6	42
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	2
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	<b>29</b>	31	▲ 173
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	13
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>2</b>	3	6
Boron	ppm	ASTM D5185m	400	<b>59</b>	32	147
Barium	ppm	ASTM D5185m	200	<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m	12	<b>0</b>	<1	2
Manganese	ppm	ASTM D5185m		<b>4</b>	2	21
Magnesium	ppm	ASTM D5185m	12	<b>7</b>	7	4
Calcium	ppm	ASTM D5185m	150	<b>2565</b>	2729	43
Phosphorus	ppm	ASTM D5185m	1650	<b>995</b>	941	1300
Zinc	ppm	ASTM D5185m	125	<b>910</b>	1055	63
Sulfur	ppm	ASTM D5185m	22500	<b>7462</b>	8020	24456
Visc @ 40°C	cSt	ASTM D445	109	● <b>53.3</b>	104	104



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0112057  
**Lab Number** : 06177565  
**Unique Number** : 11023618  
**Test Package** : FLEET

**Received** : 13 May 2024  
**Tested** : 14 May 2024  
**Diagnosed** : 15 May 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)

T:  
F: