



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



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



DIAGNOSIS

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

Metal levels are typical for a new component breaking in.

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	GFL0085415	---	---
Sample Date	Client Info	06 Jul 2023	---	---
Machine Age	mls Client Info	232272	---	---
Oil Age	mls Client Info	232271	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		NORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >870	551	---	---
Chromium ppm	ASTM D5185m >8	4	---	---
Nickel ppm	ASTM D5185m >25	26	---	---
Titanium ppm	ASTM D5185m >4	<1	---	---
Silver ppm	ASTM D5185m	0	---	---
Aluminum ppm	ASTM D5185m >40	53	---	---
Lead ppm	ASTM D5185m >25	0	---	---
Copper ppm	ASTM D5185m >60	0	---	---
Tin ppm	ASTM D5185m >5	0	---	---
Vanadium ppm	ASTM D5185m	0	---	---
Cadmium ppm	ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m 400	111	---	---
Barium ppm	ASTM D5185m 200	0	---	---
Molybdenum ppm	ASTM D5185m 12	<1	---	---
Manganese ppm	ASTM D5185m	7	---	---
Magnesium ppm	ASTM D5185m 12	12	---	---
Calcium ppm	ASTM D5185m 150	21	---	---
Phosphorus ppm	ASTM D5185m 1650	1038	---	---
Zinc ppm	ASTM D5185m 125	20	---	---
Sulfur ppm	ASTM D5185m 22500	23414	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >285	159	---	---
Sodium ppm	ASTM D5185m >170	4	---	---
Potassium ppm	ASTM D5185m >20	2	---	---

VISUAL

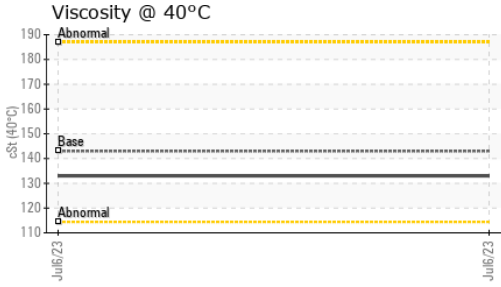
method	limit/base	current	history1	history2
White Metal scalar	*Visual NONE	NONE	---	---
Yellow Metal scalar	*Visual NONE	NONE	---	---
Precipitate scalar	*Visual NONE	NONE	---	---
Silt scalar	*Visual NONE	NONE	---	---
Debris scalar	*Visual NONE	NONE	---	---
Sand/Dirt scalar	*Visual NONE	NONE	---	---
Appearance scalar	*Visual NORML	NORML	---	---
Odor scalar	*Visual NORML	NORML	---	---
Emulsified Water scalar	*Visual >.2	NEG	---	---
Free Water scalar	*Visual	NEG	---	---

FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C cSt	ASTM D445 143	133	---	---

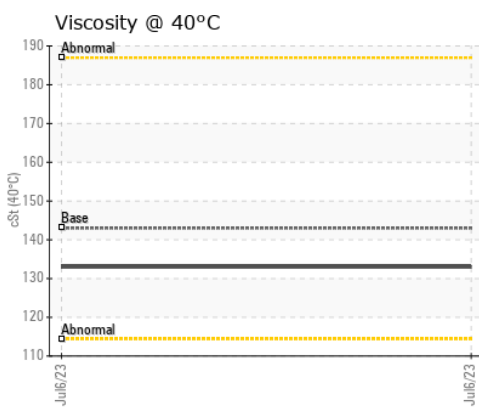
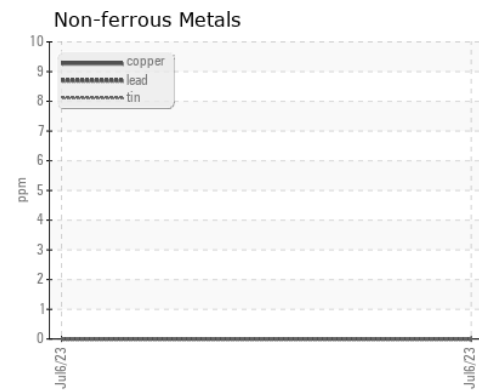
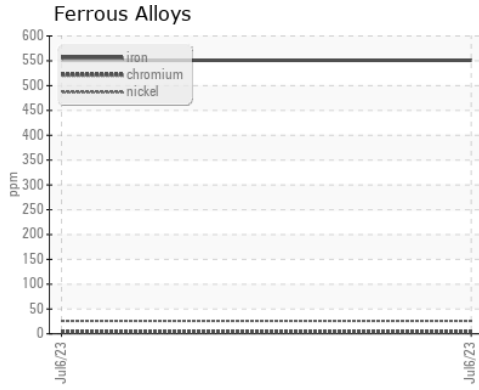


OIL ANALYSIS REPORT



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. : GFL0085415 **Received** : 12 Jul 2023
Lab Number : 05896492 **Diagnosed** : 13 Jul 2023
Unique Number : 10552302 **Diagnostician** : Don Baldrige
Test Package : FLEET

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: