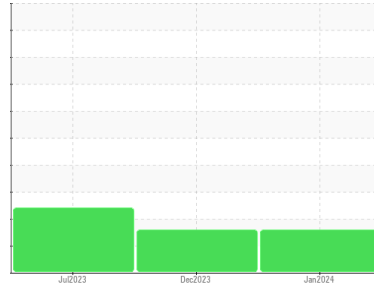




OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
413132
 Component
Transmission (Auto)
 Fluid
{not provided} (--- GAL)

DIAGNOSIS

Recommendation
 Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: Transmission)

Wear
 All component wear rates are normal.

Contamination
 Elemental level of silicon (Si) above normal indicating ingress of seal material.

Fluid Condition
 The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0105506	GFL0094059	GFL0085456
Sample Date	Client Info	19 Jan 2024	06 Dec 2023	10 Jul 2023
Machine Age	mls	40979	35929	15706
Oil Age	mls	40979	35929	0
Oil Changed	Client Info	Changed	N/A	Changed
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >160	13	28	40
Chromium	ppm ASTM D5185m >5	0	0	<1
Nickel	ppm ASTM D5185m >5	0	0	<1
Titanium	ppm ASTM D5185m	0	0	0
Silver	ppm ASTM D5185m >5	0	0	0
Aluminum	ppm ASTM D5185m >50	3	8	▲ 21
Lead	ppm ASTM D5185m >50	0	<1	<1
Copper	ppm ASTM D5185m >225	2	8	6
Tin	ppm ASTM D5185m >10	0	0	<1
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	13	46	295
Barium	ppm ASTM D5185m	0	0	2
Molybdenum	ppm ASTM D5185m	2	2	3
Manganese	ppm ASTM D5185m	<1	3	11
Magnesium	ppm ASTM D5185m	0	5	0
Calcium	ppm ASTM D5185m	2704	2362	55
Phosphorus	ppm ASTM D5185m	886	961	1128
Zinc	ppm ASTM D5185m	1038	920	7
Sulfur	ppm ASTM D5185m	2995	2972	467

CONTAMINANTS

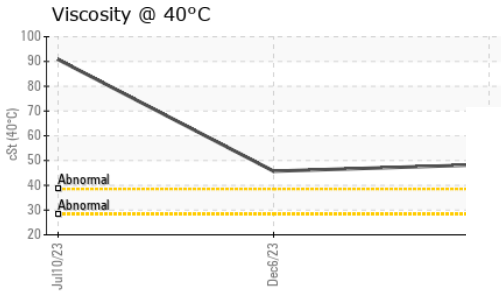
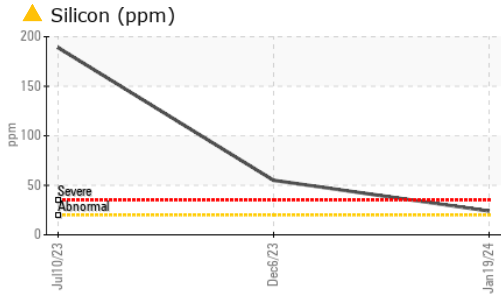
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	▲ 24	▲ 55	▲ 189
Sodium	ppm ASTM D5185m	3	2	7
Potassium	ppm ASTM D5185m >20	0	0	5

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	LIGHT	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 >0.1	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG



OIL ANALYSIS REPORT

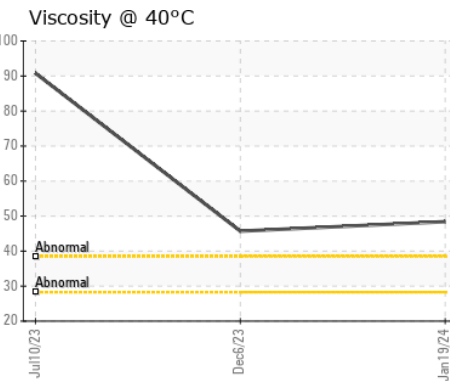
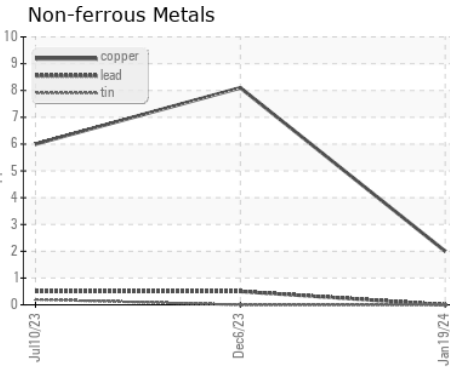
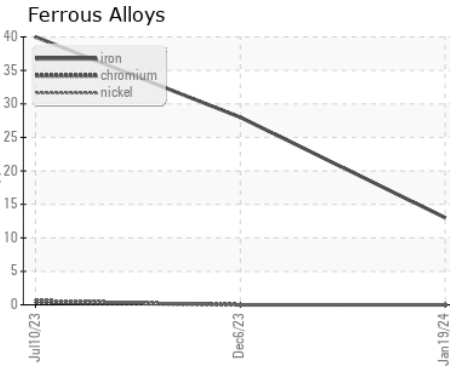


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	48.4	45.7	90.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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. : GFL0105506 **Received** : 25 Jan 2024
Lab Number : **06070809** **Diagnosed** : 28 Jan 2024
Unique Number : 10847486 **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: