



OIL ANALYSIS REPORT

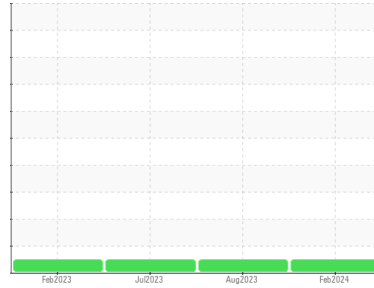
Sample Rating Trend

NORMAL



Machine Id
427183 - SW4723

Component
Transmission (Manual)
Fluid
{not provided} (--- GAL)



DIAGNOSIS

Recommendation
Resample at the next service interval to monitor. (Customer Sample Comment: Transmission)

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination in the fluid.

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		GFL0105448	GFL0089376	GFL0085408
Sample Date	Client Info		13 Feb 2024	09 Aug 2023	06 Jul 2023
Machine Age	mls	Client Info	316890	298070	293632
Oil Age	mls	Client Info	316890	298070	0
Oil Changed	Client Info		Changed	Changed	N/A
Sample Status			NORMAL	NORMAL	NORMAL

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 >200	33	14	31
Chromium	ppm	ASTM D5185m >5	<1	0	0
Nickel	ppm	ASTM D5185m >5	<1	0	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m >7	<1	0	0
Aluminum	ppm	ASTM D5185m >25	7	2	8
Lead	ppm	ASTM D5185m >45	2	0	0
Copper	ppm	ASTM D5185m >225	102	105	31
Tin	ppm	ASTM D5185m >10	1	0	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	26	48	120
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	1	0	0
Manganese	ppm	ASTM D5185m	1	0	0
Magnesium	ppm	ASTM D5185m	3	0	0
Calcium	ppm	ASTM D5185m	360	293	179
Phosphorus	ppm	ASTM D5185m	601	477	491
Zinc	ppm	ASTM D5185m	31	4	12
Sulfur	ppm	ASTM D5185m	1278	1567	2214

CONTAMINANTS

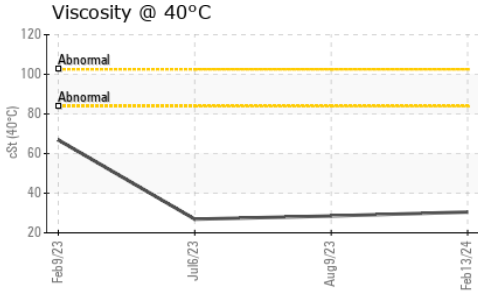
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >125	14	5	5
Sodium	ppm	ASTM D5185m	6	<1	7
Potassium	ppm	ASTM D5185m >20	3	0	0

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



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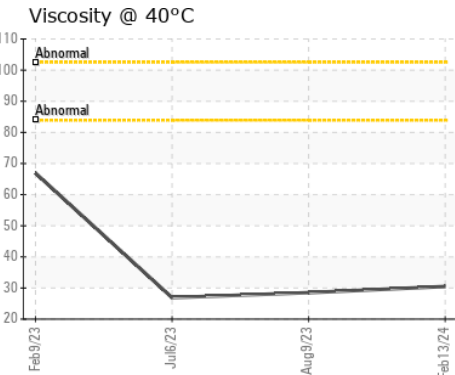
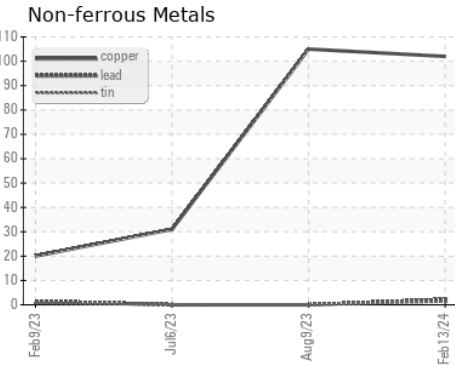
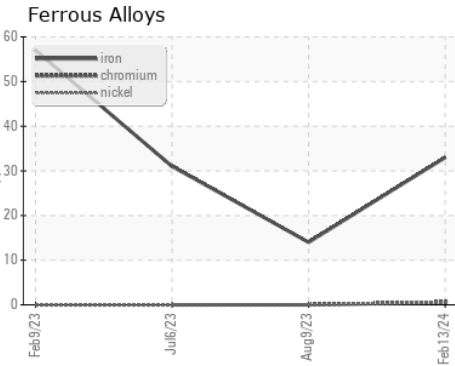
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	30.5	28.5	26.9

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. : GFL0105448
Lab Number : 06092072
Unique Number : 10884925
Test Package : FLEET

Received : 16 Feb 2024
Tested : 19 Feb 2024
Diagnosed : 20 Feb 2024 - Don Baldrige

GFL Environmental - 983 - Sugar Land Hauling
 16011 West Belfort Street
 Sugar Land, TX
 US 77498
 Contact: Adrian Martinez
 adrianmartinez@gflenv.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: