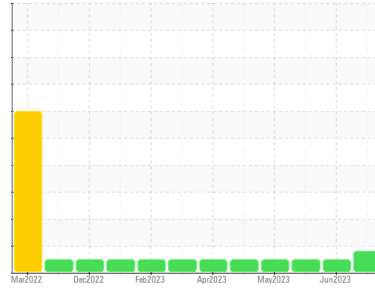




PROBLEM SUMMARY

Sample Rating Trend



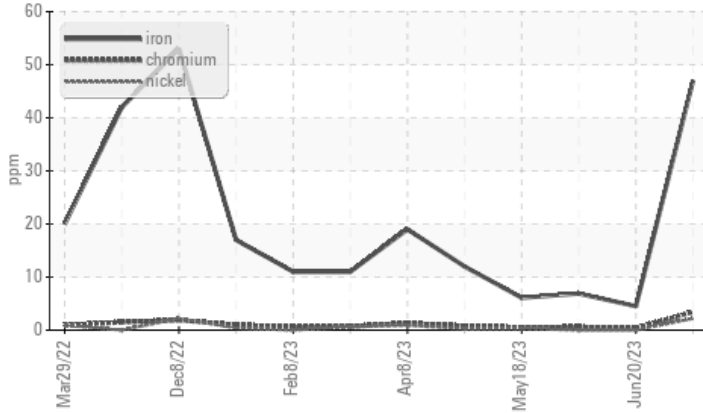
WEAR



Machine Id
810014
 Component
Natural Gas Engine
 Fluid
RDL-3647 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

No corrective action is recommended at this time.
 Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	▲ 47	4	7

Customer Id: GFL074
 Sample No.: GFL0083152
 Lab Number: 05898312
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

20 Jun 2023 Diag: Angela Borella

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

view report



05 Jun 2023 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

view report



18 May 2023 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

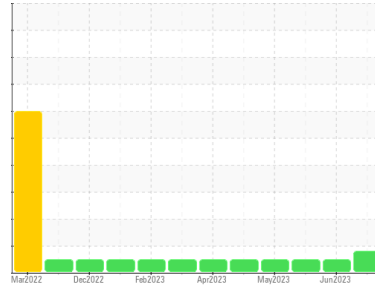
view report





OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
810014
 Component
Natural Gas Engine
 Fluid
RDL-3647 (--- GAL)

DIAGNOSIS

- Recommendation**
No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**
An increase in the iron level is noted. All other component wear rates are normal.

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

Fluid Condition
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0083152	GFL0083159	GFL0083183
Sample Date	Client Info	10 Jul 2023	20 Jun 2023	05 Jun 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	Not Changed	Not Changed	Changed
Sample Status		ATTENTION	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >50	▲ 47	4	7
Chromium ppm	ASTM D5185m >4	3	<1	<1
Nickel ppm	ASTM D5185m >2	2	0	0
Titanium ppm	ASTM D5185m	<1	0	0
Silver ppm	ASTM D5185m >3	0	0	<1
Aluminum ppm	ASTM D5185m >9	8	1	0
Lead ppm	ASTM D5185m >30	<1	0	<1
Copper ppm	ASTM D5185m >35	5	0	<1
Tin ppm	ASTM D5185m >4	<1	<1	<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 50	15	39	24
Barium ppm	ASTM D5185m 5	2	0	0
Molybdenum ppm	ASTM D5185m 50	57	55	55
Manganese ppm	ASTM D5185m 0	<1	<1	<1
Magnesium ppm	ASTM D5185m 560	750	571	601
Calcium ppm	ASTM D5185m 1510	1298	1510	1464
Phosphorus ppm	ASTM D5185m 780	893	776	773
Zinc ppm	ASTM D5185m 870	1102	934	979
Sulfur ppm	ASTM D5185m 2040	2853	2928	3000

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >+100	13	3	4
Sodium ppm	ASTM D5185m	19	3	5
Potassium ppm	ASTM D5185m >20	2	0	<1

INFRA-RED

method	limit/base	current	history1	history2
Soot %	*ASTM D7844	1.7	0.1	0.1
Nitration Abs/cm	*ASTM D7624 >20	10.1	7.7	8.9
Sulfation Abs/.1mm	*ASTM D7415 >30	23.3	18.8	19.4

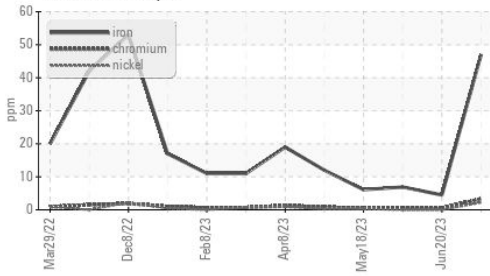
FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation Abs/.1mm	*ASTM D7414 >25	16.7	15.7	17.2
Base Number (BN) mg KOH/g	ASTM D2896 10.2	8.2	8.1	6.2

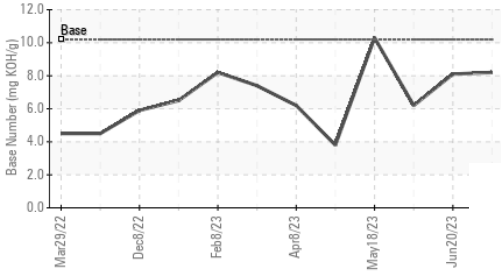


OIL ANALYSIS REPORT

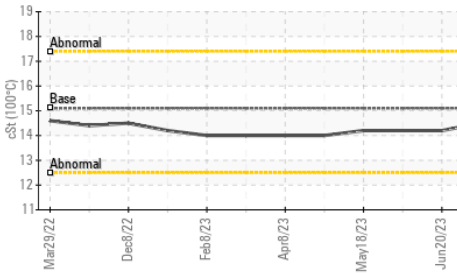
▲ Ferrous Alloys



Base Number



Viscosity @ 100°C

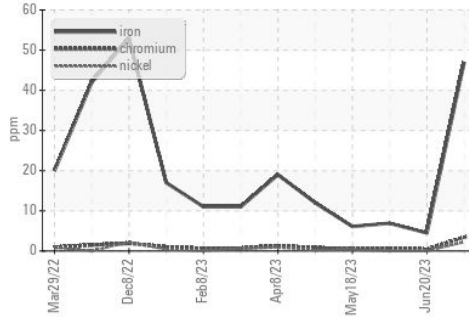


PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

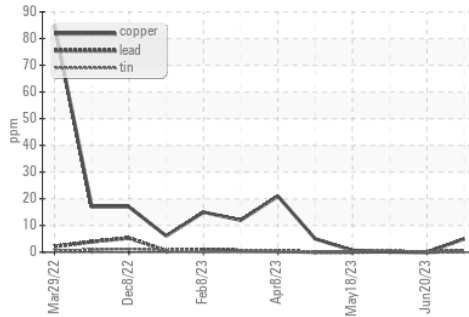
PARAMETER	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.5	14.2

GRAPHS

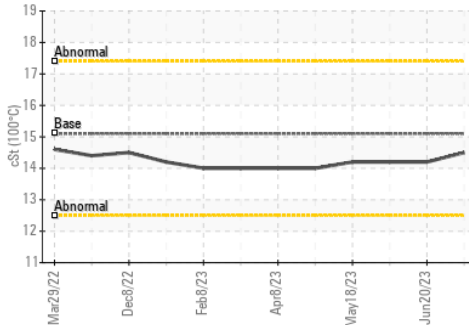
▲ Ferrous Alloys



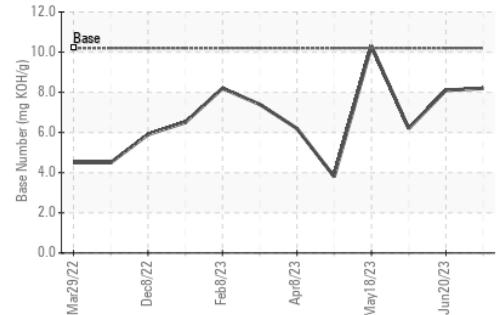
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : GFL0083152
 Lab Number : 05898312
 Unique Number : 10559668
 Test Package : FLEET

GFL Environmental - 074 - Douglas - Transwaste
 1219 Landfill Road
 Douglas, GA
 US 31533
 Contact: CURTIS JACOBS
 CURTIS.JACOBS@GFLENV.COM
 T: (912)384-6001
 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)