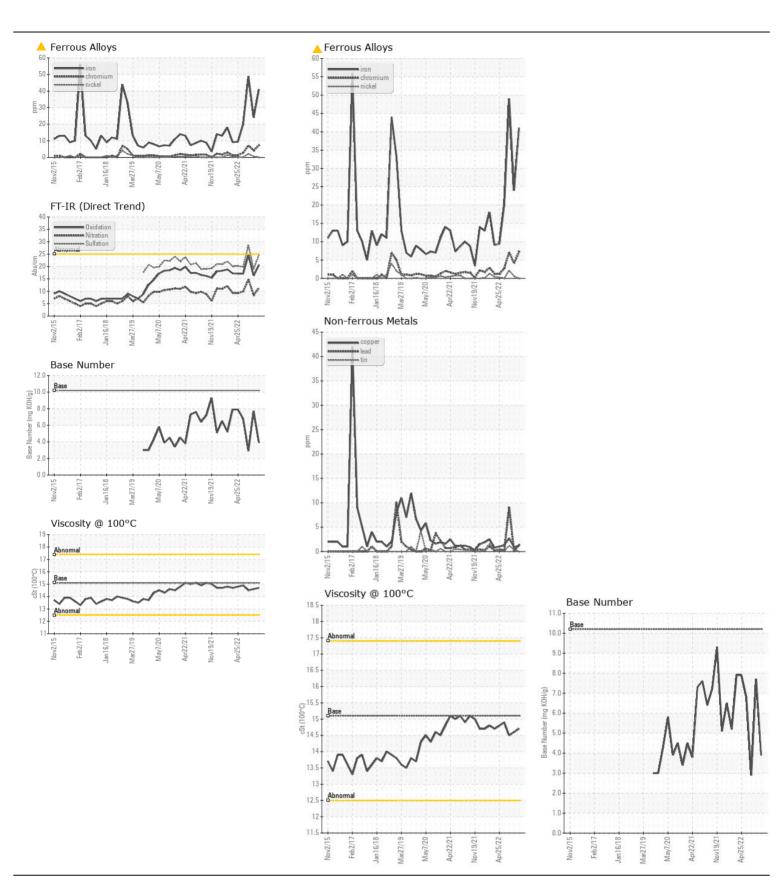
WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL NORMAL NORMAL**

Machine Id

10496C Autocar ACX

Natural Gas Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		GFL0117496	GFL0103266	GFL005674
	Sample Date		Client Info		13 May 2024	01 Dec 2023	23 May 202
	Machine Age	hrs	Client Info		4468	3510	2282
	Oil Age	hrs	Client Info		958	0	991
	Filter Age	hrs	Client Info		0	0	991
	Oil Changed		Client Info		Not Changd	Changed	Changed
	Filter Changed		Client Info		N/A	N/A	Changed
	Sample Status				ABNORMAL	NORMAL	ABNORMA
VEAR	Iron	ppm	ASTM D5185m	>50	41	24	49
The chromium level is abnormal. All other component wear rates are normal.	Chromium	ppm	ASTM D5185m	>4	<u>^</u> 7	4	<u>^</u> 7
	Nickel	ppm	ASTM D5185m	>2	0	<1	2
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>9	4	3	9
	Lead	ppm	ASTM D5185m	>30	1	<1	9
	Copper	ppm	ASTM D5185m	>35	1	<1	3
	Tin	ppm	ASTM D5185m	>4	0	<1	1
	Vanadium	ppm	ASTM D5185m		<1	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NON
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>+100	11	16	10
	Potassium	ppm	ASTM D5185m	>20	5	5	10
There is no indication of any contamination in the oil.	Water		WC Method	>0.1	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0	0	0
	Nitration	Abs/cm	*ASTM D7624	>20	11.3	8.5	14.8
	Sulfation	Abs/.1mm	*ASTM D7415	>30	24.6	19.0	28.6
	Silt	scalar	*Visual	NONE	NONE	NONE	NON
	Debris	scalar	*Visual	NONE	NONE	LIGHT	NON
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NON
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORN
	Odor	scalar	*Visual	NORML	NORML	NORML	NORN
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m		11	5	13
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m	50	0	23	9
	Barium	ppm	ASTM D5185m	5	0	2	0
	Molybdenum	ppm	ASTM D5185m	50	58	48	62
	Manganese	ppm	ASTM D5185m	0	3	3	1
	Magnesium	ppm	ASTM D5185m	560	608	513	656
	Calcium	ppm	ASTM D5185m	1510	1716	1458	1795
	Phosphorus	ppm	ASTM D5185m	780	775	706	772
	Zinc	ppm	ASTM D5185m	870	1007	884	1069
	Sulfur	ppm	ASTM D5185m	2040	2786	3397	2782
	Oxidation	Abs/.1mm	*ASTM D7414		20.6	16.3	24.6
		110111	ASTM D2896	100	3.9	7.7	2.9







Certificate L2367

Laboratory Sample No.

Lab Number : 06178327 Unique Number : 11029653 Test Package : FLEET

: GFL0117496

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 May 2024 **Tested** : 17 May 2024

: 17 May 2024 - Sean Felton Diagnosed

GFL Environmental - 001 - Raleigh(CNG)

3741 Conquest Drive Garner, NC US 27529

Contact: Ronald Gregory rgregory@gflenv.com

T: F: (919)662-1730

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)