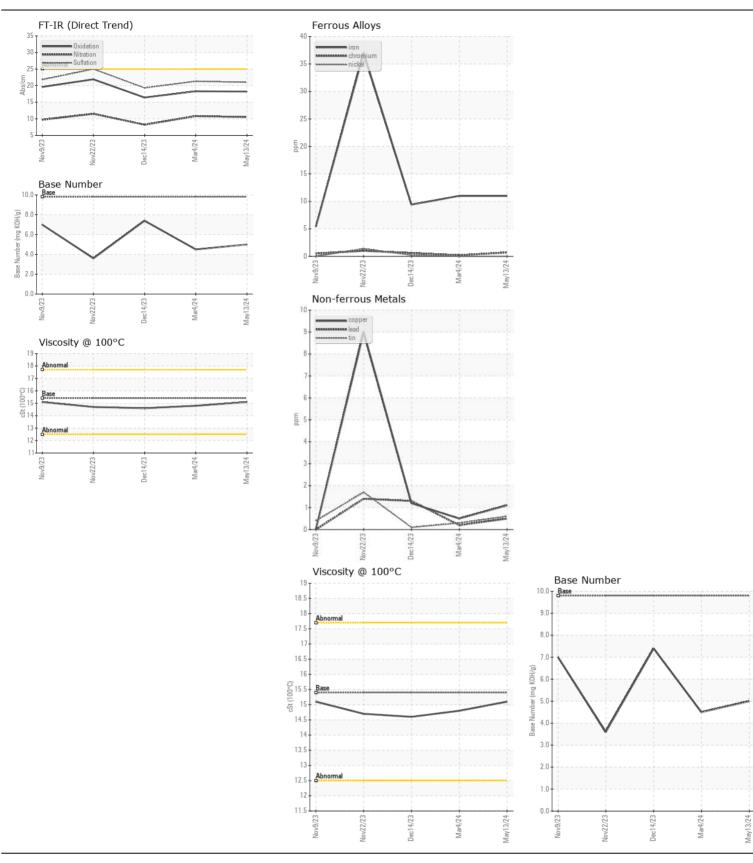
WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

Machine Id

834005

Natural Gas Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		GFL0121934	GFL0106773	GFL009200
	Sample Date		Client Info		13 May 2024	04 Mar 2024	14 Dec 202
	Machine Age	hrs	Client Info		2418	1844	1229
	Oil Age	hrs	Client Info		1844	1229	600
	Filter Age	hrs	Client Info		1844	1229	600
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changeo
	Sample Status				NORMAL	NORMAL	NORMA
WEAR	Iron	ppm	ASTM D5185m	>50	11	11	9
	Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	<1
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	<1	0	0
	Aluminum	ppm	ASTM D5185m		9	10	9
	Lead	ppm	ASTM D5185m		<1	<1	1
	Copper	ppm	ASTM D5185m		1	<1	1
	Tin	ppm	ASTM D5185m		<1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONI
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONI
CONTAMINATION	0.11.		AOTA DE LOS	400	_	4	
CONTAMINATION	Silicon	ppm	ASTM D5185m		5	4	5
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		30	35	30
	Water		WC Method	>0.1	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0	0	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	10.5	10.8	8.2
	Sulfation	Abs/.1mm	*ASTM D7415		21.0	21.3	19.3
	Silt	scalar	*Visual	NONE	NONE	NONE	NON
	Debris	scalar	*Visual	NONE	NONE	NONE	NON
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NON
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORN
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		7	6	5
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	0	3	9	28
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	60	58	45	51
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		597	465	543
	Calcium	ppm	ASTM D5185m		1863	1377	1514
	Phosphorus	ppm	ASTM D5185m		765	583	726
	Zinc	ppm	ASTM D5185m		1030	830	945
	Sulfur	ppm	ASTM D5185m		2830	1929	2417
	Oxidation	Abs/.1mm	*ASTM D7414		18.2	18.3	16.4
	Base Number (BN)		ASTM D2896		5.0	4.5	7.4
		IIIU IVIIIU	, 10 1 1VI DE000	0.0	0.0	1.0	7.7







Certificate L2367

Laboratory Sample No.

: GFL0121934 Lab Number : 06188814 Unique Number : 11045566 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 May 2024 **Tested** : 24 May 2024

Diagnosed : 28 May 2024 - Don Baldridge

GFL Environmental - 856 - Houston South

8515 Highway 6 South Houston, TX

US 77083 Contact: Apolinar Zacarias pzacariascano@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: