WEAR CONTAMINATION **FLUID CONDITION**

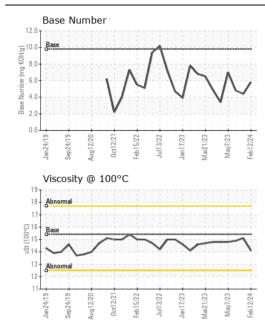
NORMAL NORMAL NORMAL

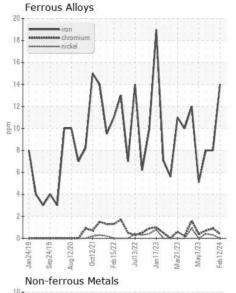
Machine Id

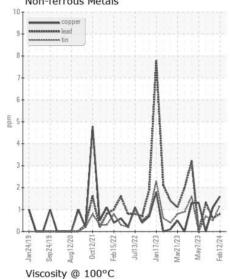
948007-205265

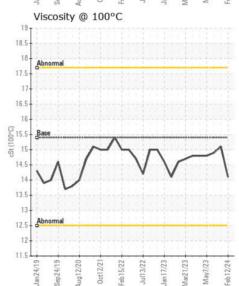
Component Diesel Engine

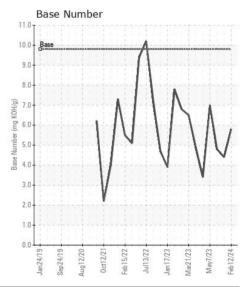
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		GFL0092158	GFL0084643	GFL008471
	Sample Date		Client Info		12 Feb 2024	15 Oct 2023	13 Jun 202
	Machine Age	mls	Client Info		147227	0	0
	Oil Age	mls	Client Info		470	0	0
	Filter Age	mls	Client Info		470	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>100	14	8	8
	Chromium	ppm	ASTM D5185m		<1	<1	<1
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m		0	<1	<1
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		2	1	4
	Lead	ppm	ASTM D5185m		<1	<1	1
	Copper	ppm	ASTM D5185m		2	1	0
	Tin	ppm	ASTM D5185m		1	<1	<1
	Vanadium	ppm	ASTM D5185m	7.0	0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m		15	5	8
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		<1	<1	4
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	0/	WC Method	0	NEG	NEG	NEG
	Soot %	%	*ASTM D7844 *ASTM D7624		0 10.8	10.6	0.1
	Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7624	>20		21.5	21.3
	Silt		*Visual	NONE	19.9 NONE	NONE	NONE
	Debris	scalar scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
			*Visual	NORML	NORML	NORML	NORM
	Appearance Odor	scalar scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m		3	9	22
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		14	7	9
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		7	3	0
	Molybdenum	ppm	ASTM D5185m		48	51	50
	Manganese	ppm	ASTM D5185m		3	<1	<1
	Magnesium	ppm	ASTM D5185m		757	514	580
	Calcium	ppm	ASTM D5185m		1222	1517	1690
	Phosphorus	ppm	ASTM D5185m		715	619	722
	Zinc	ppm	ASTM D5185m		927	830	1004
	Sulfur	ppm	ASTM D5185m		2463	2049	2992
		A1 / 4	*ACTM D7444	0.5	100	18.6	19.7
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414 ASTM D2896		18.3 5.8	4.4	4.8













Certificate L2367

Laboratory Sample No.

: GFL0092158 Lab Number : 06089340 Unique Number : 10876785 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 Feb 2024

Tested : 15 Feb 2024 Diagnosed : 15 Feb 2024 - Wes Davis

8515 Highway 6 South Houston, TX

GFL Environmental - 856 - Houston South

US 77083 Contact: Jose Gonzalez

jgonzalez2@gflenv.com T:

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)

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