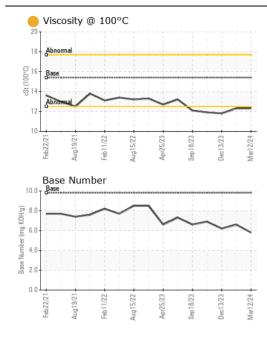
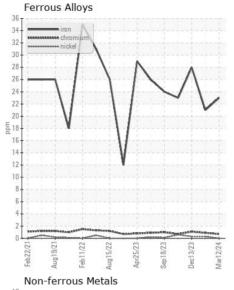


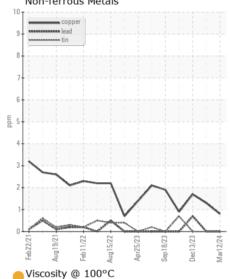
729017-1264

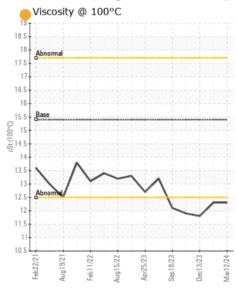
Component Diesel Engine

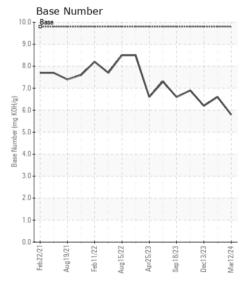
Toot	11014	Mothad	Limit/Aba	Current	Lliotom 11	Liotom O
	UOIVI		LIMIVADII			History2
						GFL0102822 13 Dec 2023
	hre					12415
J						591
						591
	1113					Changed
					Ü	Changed
		Ollerit IIIIO			0	_
Iron	ppm	ASTM D5185m	>80	23	21	28
Chromium	ppm	ASTM D5185m	>5	<1	<1	1
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	3	2
Lead	ppm	ASTM D5185m	>30	0	0	<1
Copper	ppm	ASTM D5185m	>150	<1	1	2
Tin	ppm	ASTM D5185m	>5	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silioon	nnm	ACTM DE195m	> 20	2	1	5
	• •					<1
	ррпп					1.5
						NEG
			70.2			NEG
-	0/2		\ 3			0.5
						11.7
						22.2
						NONE
Debris						NONE
Sand/Dirt						NONE
					NORML	NORMI
Odor	scalar	*Visual	NORML	NORML	NORML	NORMI
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
	ppm		-			5
						2
						0
•						58
-						0
•						831
						958
						788
Zinc	ppm	ASTM D5185m ASTM D5185m		1296	1114	1095
	nnm	AS INTISTRAM	2060	3470	2579	2519
Sulfur	ppm Aha/1mm					
Oxidation	Abs/.1mm	*ASTM D7414 ASTM D2896	>25	20.7 5.8	20.2	21.2 6.2
	Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Scalar Yellow Metal Soot % Nitration Silt Soot % Nitration Sulfation Silt Soot % Nitration Sulfation Silt Scalar Sealar Sand/Dirt Appearance Odor Scalar Emulsified Water Sodium Boron Boron Barium Molybdenum Manganese Magnesium Cpil Ars Pom	Sample Number Sample Date Machine Age Oil Age hrs Client Info Clie	Sample Number Sample Date Client Info Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Client Info Filter Changed Sample Status Iron ppm ASTM D5185m >80 Chromium ppm ASTM D5185m >5 Nickel ppm ASTM D5185m >30 Chromium ppm ASTM D5185m >30 Aluminum ppm ASTM D5185m >30 Lead ppm ASTM D5185m >5 Titanium ppm ASTM D5185m >5 Vanadium ppm ASTM D5185m >6 Potassium ppm ASTM D5185m >20 Fuel WC Method >5 Water WC Method >5 Water WC Method >0.2 Glycol WC Method Soot % *ASTM D7844 >3 Nitration Abs/cm *ASTM D7844 >3 Nitration Abs/cm *ASTM D7844 >3 Silt scalar *Visual NONE Sulfation Abs/cm *ASTM D7844 >3 Silt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NONE Appearance scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NORML A	Sample Number Client Info GFL0110347 Sample Date Client Info 12 Mar 2024 Machine Age hrs Client Info 608 Oil Age hrs Client Info 608 Filter Age hrs Client Info Changed Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status Client Info Changed Iron ppm ASTM D5185m 23 Chromium ppm ASTM D5185m >5 <1	Sample Number Client Info 12 Mar 2024 05 Mar 2024 Machine Age hrs Client Info 13023 12954 05 Mar 2024 05 M













Certificate L2367

Laboratory Sample No.

: GFL0110347 Lab Number : 06123019 Unique Number : 10937170 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Mar 2024 : 20 Mar 2024 **Tested**

: 21 Mar 2024 - Don Baldridge Diagnosed

GFL Environmental - 622 - Traverse City Hauling

160 Hughes Dr Traverse City, MI US 49686

Contact: GARY BREWER

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: