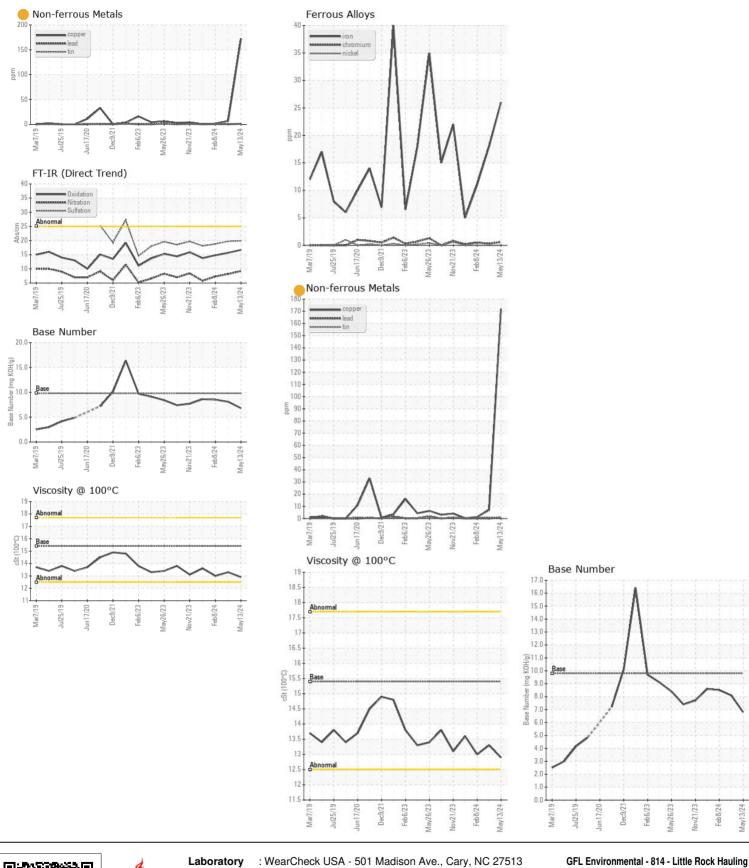
WEAR CONTAMINATION **FLUID CONDITION** **ATTENTION NORMAL NORMAL**

Machine Id

924034-260283

Component
Diesel Fngine

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Samp Machi Oil Ag Filter Oil Ch	U e Number						
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. WEAR The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. CONTAMINATION There is no indication of any contamination in the oil. Sampl Machi Samp Machi Samp Machi Samp Machi Silver Samp Machi Silver Chron Chron Nickel Titanius Silver Alumin Lead Coppe Tin Vanac White Yellow Silicor Potas: Fuel Water Glycol Soot 9							
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. WEAR The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. Silver Alumin Lead Copper Tin Vanac White Yellow CONTAMINATION There is no indication of any contamination in the oil. Samp Machi Oil Ag Filter Oil Chron Chron Nickel Titanic Silver Alumin Lead Copper Tin Vanac White Yellow CONTAMINATION Silicor Potas: Fuel Water Glycol Soot 9	e Number	IOM	Method	Limit/Abn	Current	History1	History2
corrective action is recommended at this time. Resample at the next service interval to monitor. Machi Filter of Oil Ch Filt			Client Info		GFL0119400		GFL0110879
WEAR The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. Chron Nickel Titanic Silver Alumin Lead Coppe Tin Vanac White Yellow CONTAMINATION There is no indication of any contamination in the oil. Silicor Potas: Fuel Water Glycol Soot 9	le Date		Client Info		13 May 2024	25 Apr 2024	08 Feb 2024
WEAR The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. Silver Alumin Lead Copper Tin Vanac White Yellow CONTAMINATION There is no indication of any contamination in the oil. Filter Coli Chron Samp Chron Nickel Titanic Silver Alumin Lead Copper Tin Vanac White Yellow CONTAMINATION There is no indication of any contamination in the oil.	ne Age hr	rs	Client Info		17738	17643	17448
WEAR The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. Chron Nickel Titaniu Silver Alumin Lead Copper Tin Vanac White Yellow CONTAMINATION There is no indication of any contamination in the oil. Silicor Potas: Fuel Water Glycol Soot 9		rs	Client Info		78529	78529	78529
WEAR The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. Silver Alumin Lead Copper Tin Vanac White Yellow CONTAMINATION There is no indication of any contamination in the oil. Filter Samp Chron Nickel Titanic Silver Alumin Lead Copper Tin Vanac White Yellow CONTAMINATION Silicor Potas: Fuel Water Glycol Soot 9	Age hr	rs	Client Info		0	0	0
WEAR The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. Silver Alumin Lead Copper Tin Vanac White Yellow CONTAMINATION There is no indication of any contamination in the oil. Samp Chron Nickel Titanin Silver Alumin Lead Copper Tin Vanac White Yellow CONTAMINATION Silicor Potas: Fuel Water Glycol Soot 9	anged		Client Info		Changed	Changed	Changed
WEAR The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. Silver Alumin Lead Copper Tin Vanac White Yellow CONTAMINATION There is no indication of any contamination in the oil. Silicor Potas: Fuel Water Glycol Soot 9	Changed		Client Info		Changed	Changed	Changed
The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. Silver Alumin Lead Copper Tin Vanac White Yellow CONTAMINATION There is no indication of any contamination in the oil. Silicor Potas: Fuel Water Glycol Soot 9	le Status				ATTENTION	NORMAL	NORMAL
The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. Silver Alumin Lead Copper Tin Vanac White Yellow CONTAMINATION There is no indication of any contamination in the oil. Silicor Potas: Fuel Water Glycol Soot 9			AOTM DE10E	100	00	40	4.4
The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. Nickel Titania Silver Alumin Lead Copper Tin Vanac White Yellow CONTAMINATION There is no indication of any contamination in the oil. Silicor Potas: Fuel Water Glycol Soot 9			ASTM D5185m		26	18	11
metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. Titanic Silver Alumin Lead Copper Tin Vanac White Yellow CONTAMINATION There is no indication of any contamination in the oil. Silicor Potas: Fuel Water Glycol Soot 9			ASTM D5185m		<1	<1	<1
CONTAMINATION CONTAMINATION There is no indication of any contamination in the oil. Core). All other component wear rates are normal. Silver Alumin Lead Coppe Tin Vanac White Yellow Contamination in the oil. Fuel Water Glycol Soot 9			ASTM D5185m	>4	0	0	0
CONTAMINATION Contamination in the oil. Silver Alumin Lead Coppe Tin Vanac White Yellow Contamination in the oil. Fuel Water Glycol Soot 9			ASTM D5185m		0	0	0
CONTAMINATION CONTAMINATION Silicor Potas: Fuel Water Glycol Soot 9			ASTM D5185m		0	0	0
Copper Tin Vanac White Yellow CONTAMINATION Silicor Potas: Potas: Fuel Water Glycol Soot 9			ASTM D5185m		4	3	2
Tin Vanac White Yellow CONTAMINATION Silicor Potas: There is no indication of any contamination in the oil. Fuel Water Glycol Soot 9			ASTM D5185m		1	0	<1
Vanace White Yellow CONTAMINATION Silicor Potas: Potas: Fuel Water Glycol Soot 9	er pr		ASTM D5185m		<u> </u>	7	1
White Yellow CONTAMINATION Silicor Potas: Fuel Water Glycol Soot 9			ASTM D5185m	>15	<1	<1	<1
There is no indication of any contamination in the oil. Silicor Potas: Fuel Water Glycol Soot 9			ASTM D5185m		0	0	0
There is no indication of any contamination in the oil. Silicor Potas: Fuel Water Glycol Soot 9			*Visual	NONE	NONE	NONE	NONE
There is no indication of any contamination in the oil. Fuel Water Glycol Soot 9	Metal so	calar	*Visual	NONE	NONE	NONE	NONE
There is no indication of any contamination in the oil. Fuel Water Glycol Soot 9	n nr	pm	ASTM D5185m	\25	8	7	5
There is no indication of any contamination in the oil. Fuel Water Glycol Soot 9			ASTM D5185m		0	0	2
Water Glycol Soot 9	Sium pr		WC Method		<1.0	<1.0	<1.0
Glycol Soot 9			WC Method		NEG	NEG	NEG
Soot 9			WC Method	70. ∠	NEG	NEG	NEG
			*ASTM D7844	\ 3	0.4	0.3	0.3
างเดิน	-			>20	9.2	8.2	7.3
Sulfati			*ASTM D7415		19.9	19.7	18.8
Silt			*Visual	NONE	NONE	NONE	NONE
Debris				NONE	NONE	NONE	NONE
Sand/			*Visual	NONE	NONE	NONE	NONE
Appea				NORML	NORML	NORML	NORML
Odor				NORML	NORML	NORML	NORML
	fied Water so			>0.2	NEG	NEG	NEG
Lilido		·····	· · · · · · · · · · · · · · · · · · ·			INLO	1420
FLUID CONDITION Sodiu	m pr	pm	ASTM D5185m		4	4	12
Boron	pp	pm	ASTM D5185m	0	3	4	3
The BN result indicates that there is suitable alkalinity remaining in the	n pr	pm	ASTM D5185m	0	0	0	0
oil. The condition of the oil is acceptable for the time in service. Molyb	denum pp	pm	ASTM D5185m	60	61	63	57
Manga	anese pr	pm	ASTM D5185m	0	1	<1	<1
Magne	esium pr	pm	ASTM D5185m	1010	966	971	971
Calciu	m pr	pm	ASTM D5185m	1070	1056	1059	992
Phosp	horus pr	pm	ASTM D5185m	1150	1094	1104	1059
Zinc	pr		ASTM D5185m		1273	1300	1245
Sulfur			ASTM D5185m	2060	3377	3660	3185
Oxida				>25	16.7	15.7	14.8
			ASTM D2896		6.8	8.1	8.5
	⊉ 100°C cS			15.4	12.9	13.3	13.0





Certificate L2367

Laboratory Sample No.

Lab Number : 06187127 Unique Number : 11043879 Test Package : FLEET

: GFL0119400

Received

: 21 May 2024 **Tested** : 23 May 2024 Diagnosed

: 23 May 2024 - Sean Felton

4005 Hwy 161 N. Little Rock, AR US 72117 Contact: Brad Koenig

bkoenig@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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