WEAR CONTAMINATION FLUID CONDITION

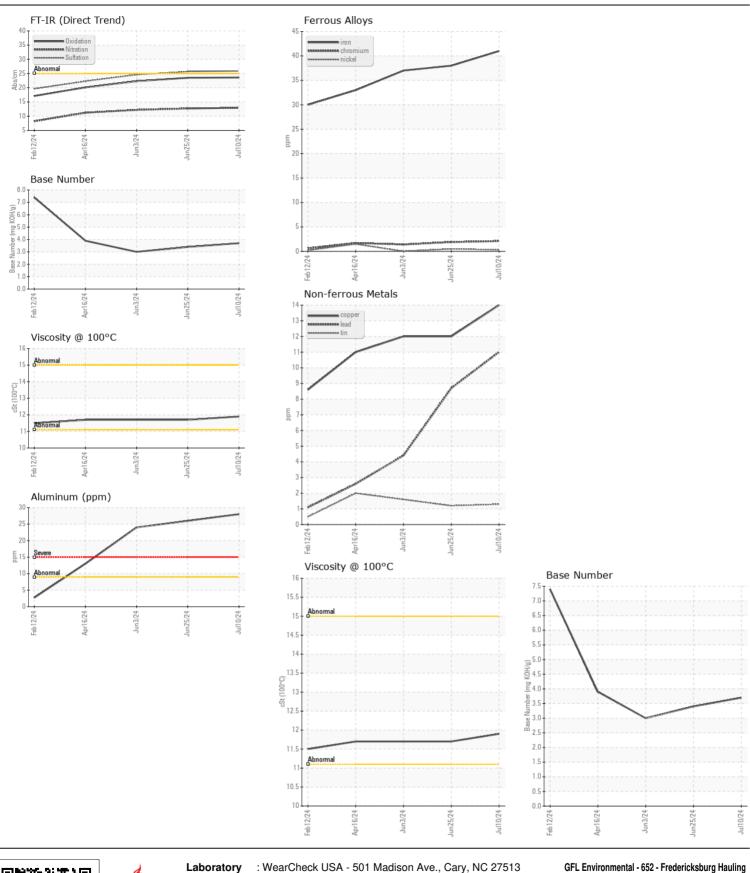
NORMAL NORMAL

Machine Id

434029

Natural Gas Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number	OOW	Client Info	LITTIO/ NOT	GFL0127217	GFL0122014	,
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Date		Client Info		10 Jul 2024	25 Jun 2024	03 Jun 202
	Machine Age	hrs	Client Info		1225	1117	947
	Oil Age	hrs	Client Info		1055	170	947
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		Changed	Not Changd	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>50	41	38	37
MEAIT	Chromium	ppm	ASTM D5185m		2	2	1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		- <1	- <1	0
	Titanium	ppm	ASTM D5185m	_	<1	<1	0
	Silver	ppm	ASTM D5185m	>3	<1	0	0
	Aluminum	ppm	ASTM D5185m		28	26	24
	Lead	ppm	ASTM D5185m		11	9	4
	Copper	ppm	ASTM D5185m	>35	14	12	12
	Tin	ppm	ASTM D5185m	>4	1	1	2
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTABINATION	0.11.		AOTH DE LOE	400			0.4
CONTAMINATION	Silicon	ppm	ASTM D5185m		88	80	91
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		93	81	80
	Water	%	WC Method *ASTM D7844	>0.1	NEG	NEG	NEG 0.1
	Soot % Nitration		*ASTM D7624	>20	0 12.9	0 12.7	0.1
	Sulfation	Abs/cm Abs/.1mm	*ASTM D7624		25.9	25.7	24.6
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORMI
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water		*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	On alliana		ACTM DE10E		• • • • • • • • • • • • • • • • • • • •		7
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	6	7
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		8	5	9
	Barium	ppm	ASTM D5185m ASTM D5185m		7	6 50	7 52
	Molybdenum Manganese	ppm	ASTM D5185m		57 4	4	4
	Magnesium	ppm	ASTM D5185m		804	754	809
	Calcium	ppm	ASTM D5185m		1321	1181	1194
	Phosphorus	ppm	ASTM D5185m		702	722	727
	Zinc	ppm	ASTM D5185m		942	898	881
	Sulfur	ppm	ASTM D5185m		2233	2360	2501
	Oxidation	Abs/.1mm	*ASTM D7414	>25	23.6	23.5	22.3
		/ 10/0/ · [[[[]]]	A CHAIDITIT		_5.5	_0.0	0
	Base Number (BN)	mg KOH/g	ASTM D2896		3.7	3.4	3.0





Certificate L2367

Sample No.

Laboratory

: GFL0127217 Lab Number : 06235537 Unique Number : 11124371 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Jul 2024 **Tested**

: 15 Jul 2024 Diagnosed : 15 Jul 2024 - Wes Davis

10954 Houser Drive Fredericksburg, VA US 22408 Contact: WILLIAM MILO

wmilo@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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