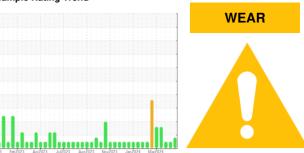


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id **Grand Blanc CAT 3 GBLM03BE** Biogas Engine

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: 400hr Oil Sample)

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the

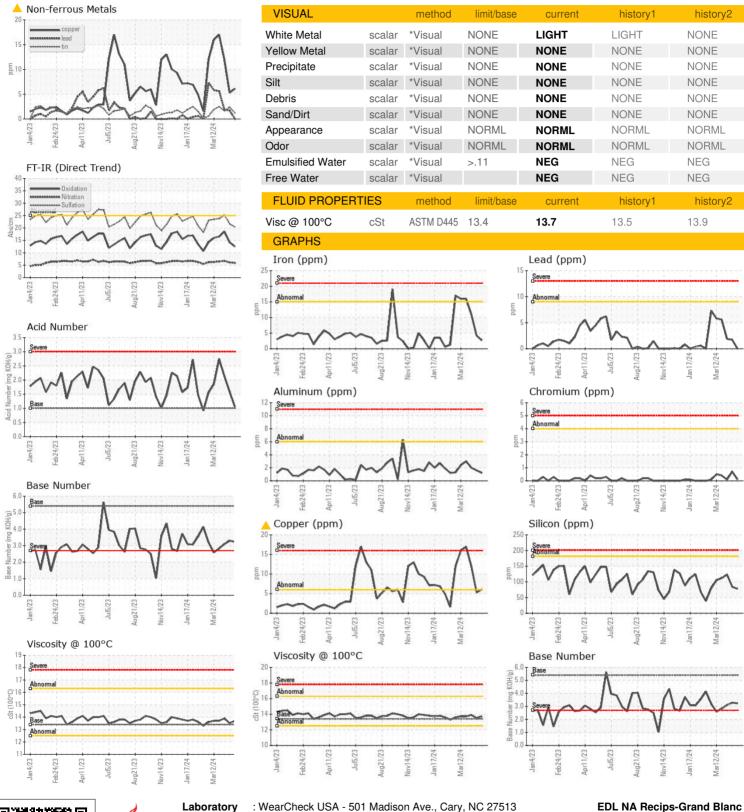
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

	GAS ENGINE OIL 40 (•					
	SAMPLE INFORMA	ATION	method	limit/base	current	history1	history
	Sample Number		Client Info		WC0905698	WC0905754	WC090573
ded at this time.	Sample Date		Client Info		18 Apr 2024	10 Apr 2024	25 Mar 202
nterval to monitor. (00hr Oil Sample)		hrs	Client Info		82982	82825	82525
	-	hrs	Client Info		413	0	895
	Oil Changed		Client Info		Not Changd	N/A	Not Change
ther component	Sample Status				ABNORMAL	NORMAL	NORMAL
	CONTAMINATION		method	limit/base	current	history1	history
amination in the	Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
	Water		WC Method	>.11	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
is suitable AN level is	WEAR METALS		method	limit/base	current	history1	history
lition of the oil is	Iron	ppm	ASTM D5185m	>15	3	4	11
	Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
	Nickel	ppm	ASTM D5185m		0	<1	<1
		ppm	ASTM D5185m		0	<1	0
		ppm	ASTM D5185m		0	0	0
		ppm	ASTM D5185m	>6	1	2	2
		ppm	ASTM D5185m		0	2	2
	-	ppm	ASTM D5185m		<u>^</u> 6	5	12
		ppm	ASTM D5185m		1	2	2
		ppm	ASTM D5185m	7	0	<1	0
		ppm	ASTM D5185m		0	<1	0
	ADDITIVES		method	limit/base	current	history1	history
	Boron	ppm	ASTM D5185m		7	4	9
		ppm	ASTM D5185m		1	0	0
			ASTM D5185m		4	4	5
		ppm	ASTM D5185m		1	1	<1
		ppm				9	11
		ppm	ASTM D5185m		16		
		ppm	ASTM D5185m		1947	1871	1817
		ppm	ASTM D5185m		293	298	260
		ppm ppm	ASTM D5185m ASTM D5185m		371 3444	350 3328	331 3761
	CONTAMINANTS	рріп	method	limit/base		history1	history
		nnm	ASTM D5185m		current 78	84	123
		ppm					40
		ppm	ASTM D5185m		4	3	0
		ppm	ASTM D5185m		<1	3	
	INFRA-RED	0/	method	limit/base	current	history1	history
		%	*ASTM D7844		0.1	0.1	0.1
		Abs/cm	*ASTM D7624		5.9	6.1	6.7
		Abs/.1mm	*ASTM D7415		20.4	21.6	25.2
	FLUID DEGRADAT	TION	method	limit/base	current	history1	history
	Oxidation	Abs/.1mm	*ASTM D7414		12.5	14.2	18.6
	Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	1.05	1.59	2.14
	Base Number (BN)	mg KOH/g	ASTM D2896	- A	3.23	3.29	3.10



OIL ANALYSIS REPORT







Certificate 12367

Sample No. Lab Number : 06156188 Unique Number : 10991611

: WC0905698

Test Package : MOB 2

Received : 22 Apr 2024 **Tested**

: 23 Apr 2024 Diagnosed : 24 Apr 2024 - Sean Felton

Grand Blanc Powerstation, 2361 West Grand Blanc Road Grand Blanc, MI US 48439

Contact: Tony Saint Marie tony.saintmarie@edlenergy.com T:

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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)

F: