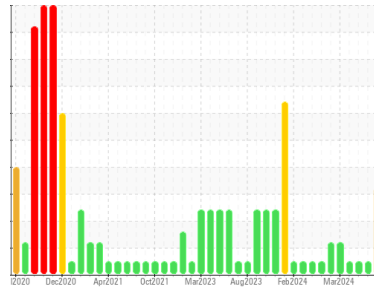




OIL ANALYSIS REPORT

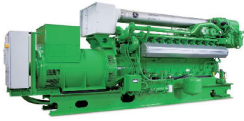
Sample Rating Trend



DEGRADATION



Area
EDLTAY
 Machine Id
TAYM06BE (S/N 1256578)
 Component
Biogas Engine
 Fluid
CHEVRON HDAX 9500 GAS ENGINE OIL 40 (180 GAL)



DIAGNOSIS

▲ Recommendation

We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

▲ Fluid Condition

The BN level is low.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0901629	WC0901635	WC0901604
Sample Date	Client Info		25 Apr 2024	10 Apr 2024	03 Apr 2024
Machine Age	hrs	Client Info	112819	112819	65985
Oil Age	hrs	Client Info	696	336	168
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			SEVERE	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>4.0	<1.0	<1.0	<1.0
Water	WC Method		NEG	NEG	NEG
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >14	2	<1	0
Chromium	ppm	ASTM D5185m >3	<1	<1	0
Nickel	ppm	ASTM D5185m	0	<1	0
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >5	2	2	<1
Lead	ppm	ASTM D5185m >6	0	1	0
Copper	ppm	ASTM D5185m >5	<1	<1	0
Tin	ppm	ASTM D5185m >6	2	3	1
Vanadium	ppm	ASTM D5185m	0	<1	0
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	1	2	<1
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	5	6	6
Calcium	ppm	ASTM D5185m	1884	1927	1735
Phosphorus	ppm	ASTM D5185m	250	275	240
Zinc	ppm	ASTM D5185m	302	332	299
Sulfur	ppm	ASTM D5185m	4558	3948	2505

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >180	9	7	5
Sodium	ppm	ASTM D5185m	5	3	4
Potassium	ppm	ASTM D5185m >20	3	5	2

INFRA-RED

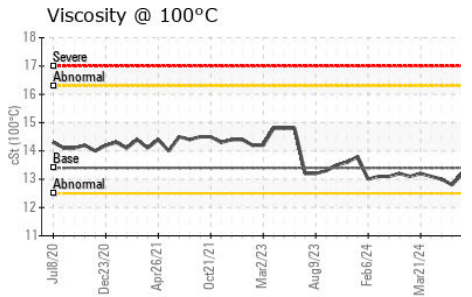
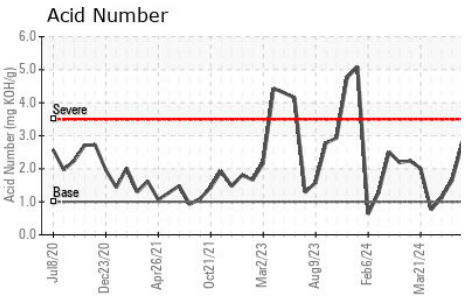
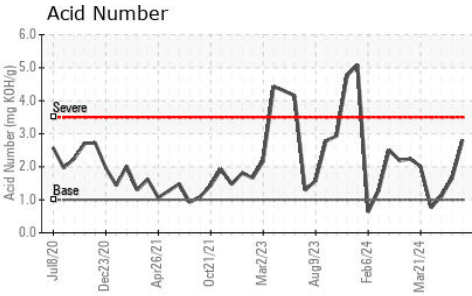
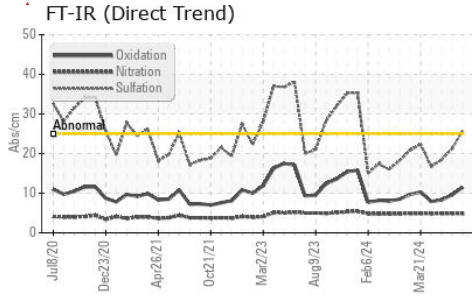
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >2	0.1	0	0
Nitration	Abs/cm	*ASTM D7624 >20	4.8	4.9	4.9
Sulfation	Abs/.1mm	*ASTM D7415 >30	25.8	21.2	18.4

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >15	11.5	9.6	8.3
Acid Number (AN)	mg KOH/g	ASTM D8045 1.0	2.80	1.65	1.12
Base Number (BN)	mg KOH/g	ASTM D2896 5.4	▲ 0.94	2.81	3.46



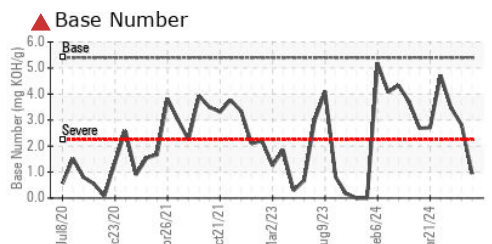
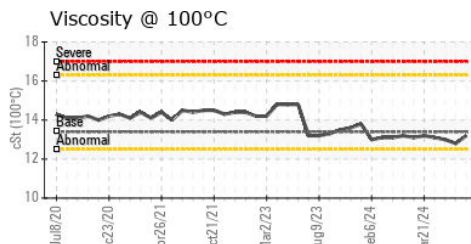
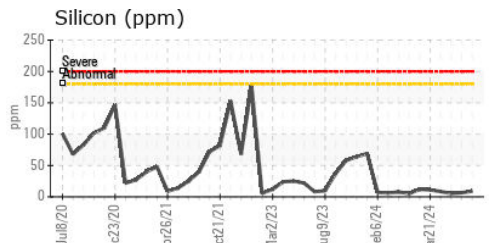
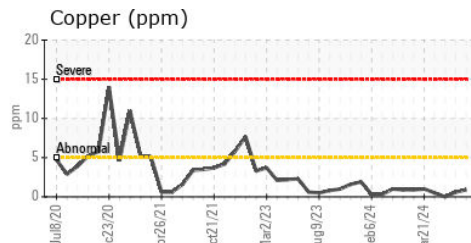
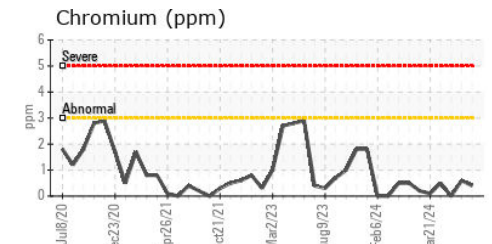
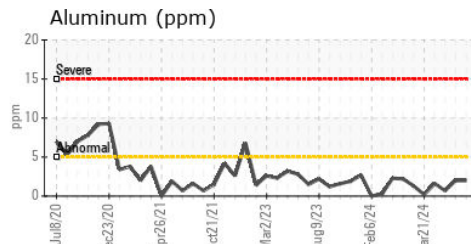
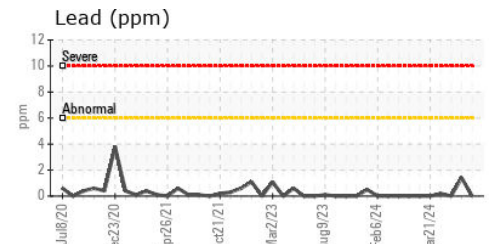
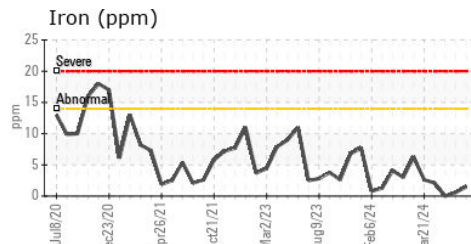
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	13.4	13.2	12.8

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0901629

Lab Number : 06161683

Unique Number : 10997106

Test Package : MOB 2

Received : 26 Apr 2024

Tested : 29 Apr 2024

Diagnosed : 29 Apr 2024 - Sean Felton

EDL NA Recips-Taylor County

TAYLOR COUNTY POWER STATION, COUNTY ROAD 33 & STEWART ROAD

MAUK, GA

US 31058

Contact: STEVEN BABB

steven.babb@edlenergy.com

T:

F:

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)