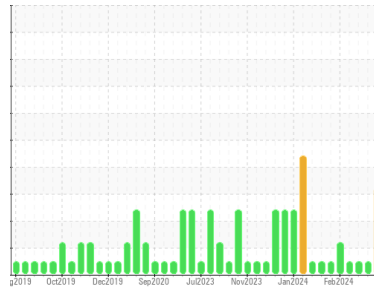




OIL ANALYSIS REPORT

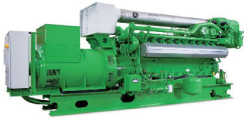
Sample Rating Trend



DEGRADATION



Area
EDLTAY
 Machine Id
TAYM03BE (S/N 1256582)
 Component
Biogas Engine
 Fluid
CHEVRON HDAX 9500 GAS ENGINE OIL 40 (180 GAL)



DIAGNOSIS

▲ Recommendation

We recommend that you drain the oil from the component if this has not already been 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. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0901607	WC0901601	WC0901586
Sample Date	Client Info		10 Apr 2024	03 Apr 2024	21 Mar 2024
Machine Age	hrs	Client Info	55664	55664	55664
Oil Age	hrs	Client Info	545	377	65
Oil Changed	Client Info		Not Chngd	Not Chngd	Changed
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	0	<1
Chromium	ppm	ASTM D5185m >3	<1	0	0
Nickel	ppm	ASTM D5185m	<1	0	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >5	3	2	<1
Lead	ppm	ASTM D5185m >6	2	0	0
Copper	ppm	ASTM D5185m >5	<1	0	<1
Tin	ppm	ASTM D5185m >6	5	3	2
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<1	0	0
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	3	2	2
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	7	7	6
Calcium	ppm	ASTM D5185m	2039	1864	1907
Phosphorus	ppm	ASTM D5185m	289	257	266
Zinc	ppm	ASTM D5185m	356	326	315
Sulfur	ppm	ASTM D5185m	4142	3380	2974

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >180	13	9	9
Sodium	ppm	ASTM D5185m	4	5	4
Potassium	ppm	ASTM D5185m >20	7	4	3

INFRA-RED

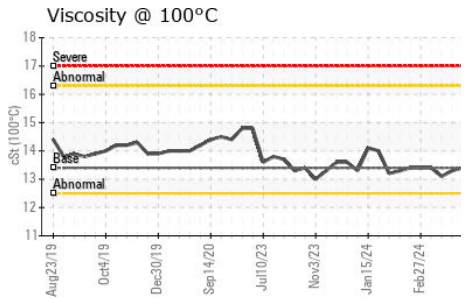
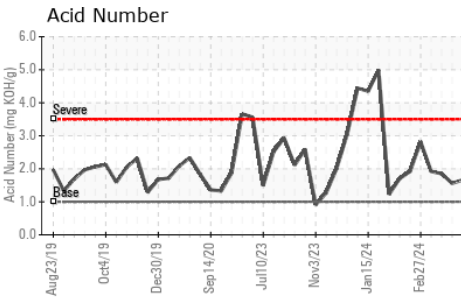
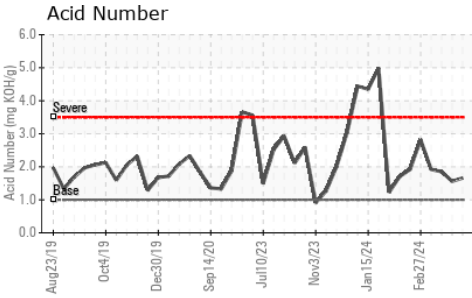
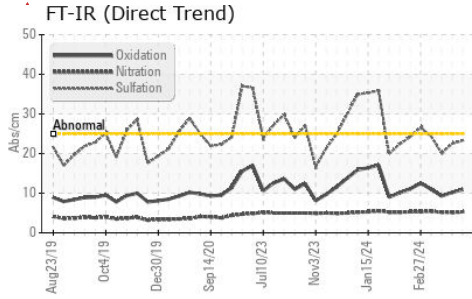
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >2	0	0	0
Nitration	Abs/cm	*ASTM D7624 >20	5.3	5.1	5.2
Sulfation	Abs/.1mm	*ASTM D7415 >30	23.3	22.5	20.1

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >15	10.9	10.2	9.3
Acid Number (AN)	mg KOH/g	ASTM D8045 1.0	1.66	1.56	1.85
Base Number (BN)	mg KOH/g	ASTM D2896 5.4	▲ 2.14	2.47	3.48



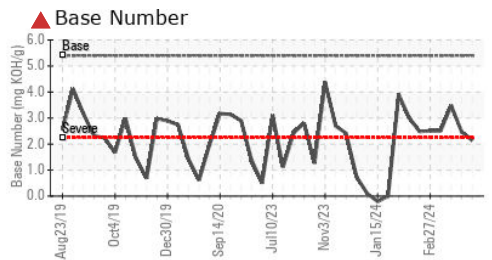
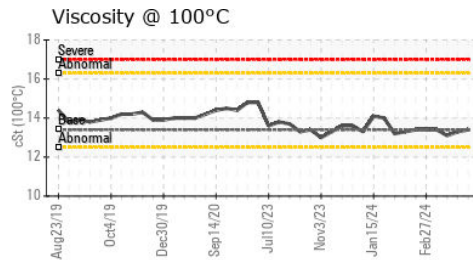
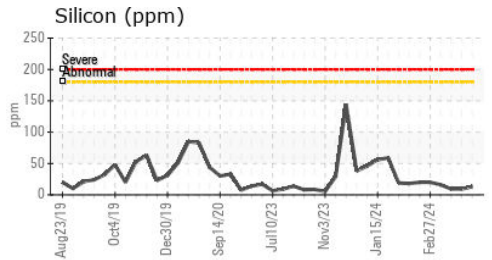
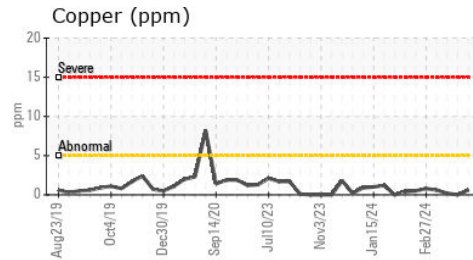
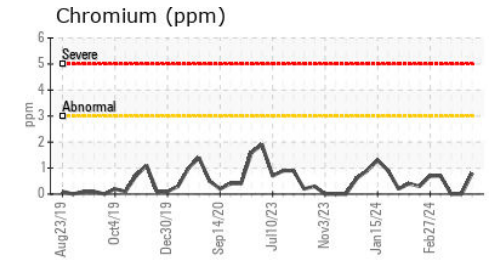
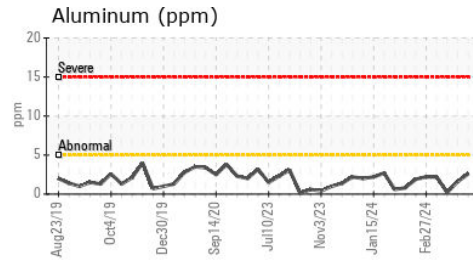
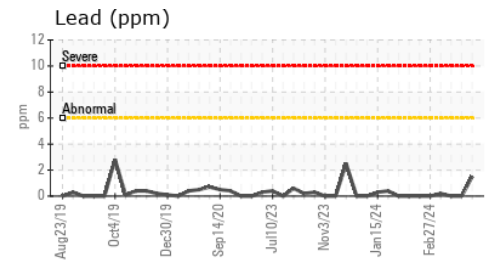
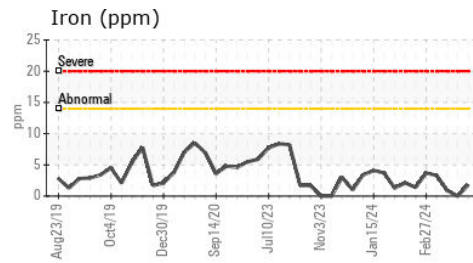
OIL ANALYSIS REPORT



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	13.3	13.1

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC0901607
 Lab Number : 06147536
 Unique Number : 10977614
 Test Package : MOB 2

Received : 12 Apr 2024
 Tested : 18 Apr 2024
 Diagnosed : 19 Apr 2024 - Doug Bogart

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

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)