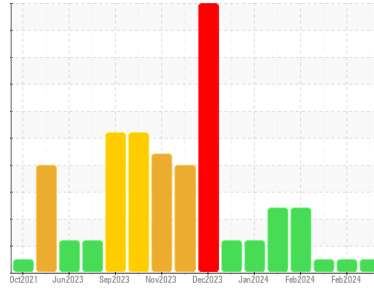




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**EDLTAY**

Machine Id

**TAYM02BE (S/N 1256574)**

Component

**Landfill Biogas Engine**

Fluid

**CHEVRON HDAX 9500 GAS ENGINE OIL 40 (180 GAL)**



## DIAGNOSIS

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0901600</b>	WC0901608	WC0901656
Sample Date	Client Info			<b>03 Apr 2024</b>	27 Feb 2024	21 Feb 2024
Machine Age	hrs	Client Info		<b>350986</b>	6310	350986
Oil Age	hrs	Client Info		<b>168</b>	203	63635
Oil Changed	Client Info			<b>Not Chngd</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>4.0		<b>&lt;1.0</b>	<1.0	<1.0
Water	WC Method	>.2		<b>NEG</b>	NEG	NEG
Glycol	WC Method			<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<b>0</b>	2	<1
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>15	<b>&lt;1</b>	2	1
Lead	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>15	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	1	1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>6</b>	5	8
Calcium	ppm	ASTM D5185m		<b>1703</b>	1693	1741
Phosphorus	ppm	ASTM D5185m		<b>240</b>	259	255
Zinc	ppm	ASTM D5185m		<b>293</b>	310	316
Sulfur	ppm	ASTM D5185m		<b>2256</b>	2981	2551

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>200	<b>4</b>	5	4
Sodium	ppm	ASTM D5185m	>20	<b>2</b>	4	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	12	10

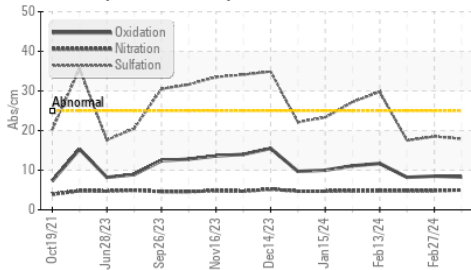
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>2	<b>0</b>	0	0
Nitration	Abs/cm	*ASTM D7624	>20	<b>5.0</b>	4.8	4.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>17.9</b>	18.5	17.5

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>8.3</b>	8.5	8.2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>1.10</b>	2.37	1.10
Base Number (BN)	mg KOH/g	ASTM D2896	5.4	<b>3.78</b>	3.49	4.24

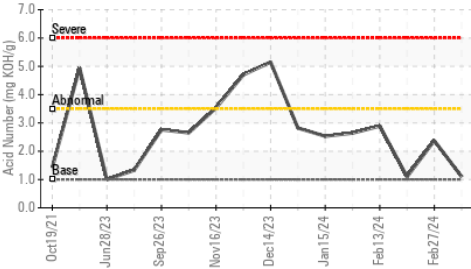


# OIL ANALYSIS REPORT

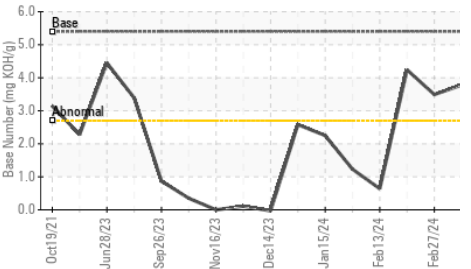
FT-IR (Direct Trend)



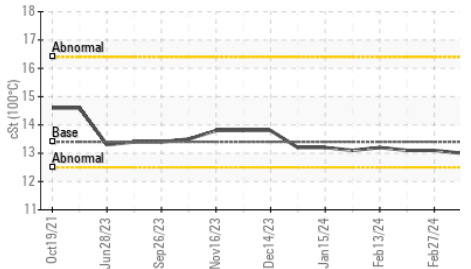
Acid Number



Base Number



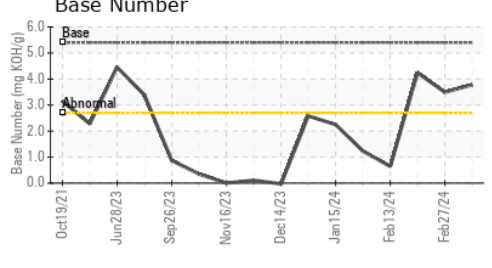
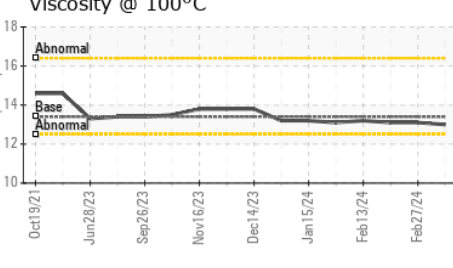
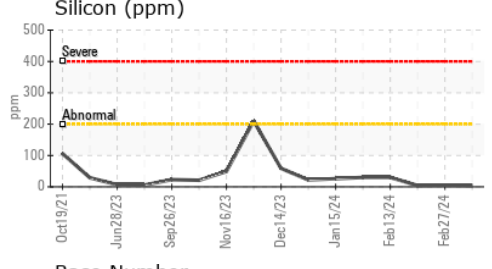
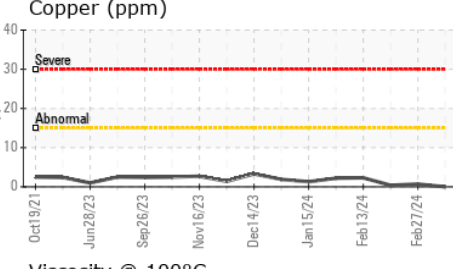
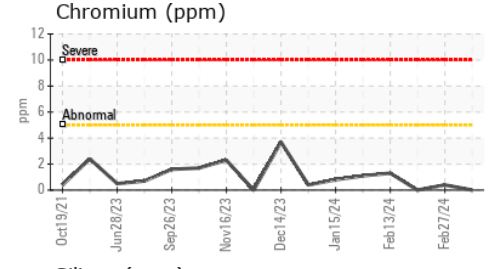
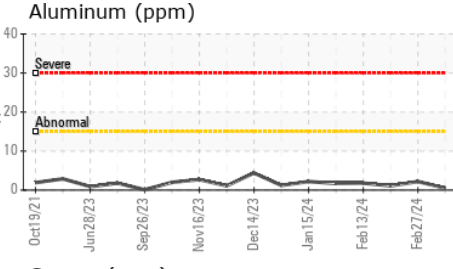
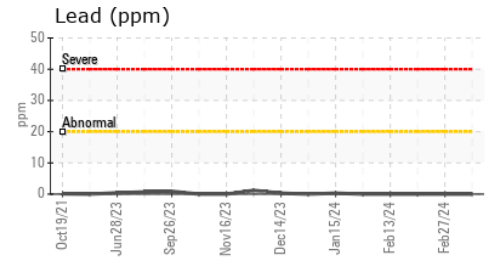
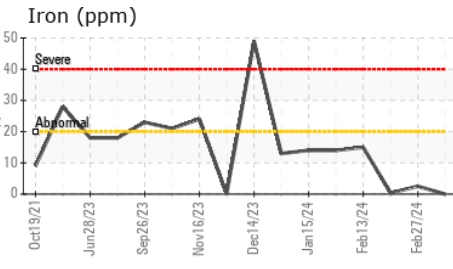
Viscosity @ 100°C



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	>.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	13.4	13.0	13.1

## GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : WC0901600  
 Lab Number : 06143241  
 Unique Number : 10968049  
 Test Package : MOB 2

Received : 09 Apr 2024  
 Tested : 10 Apr 2024  
 Diagnosed : 10 Apr 2024 - Jonathan Hester

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)