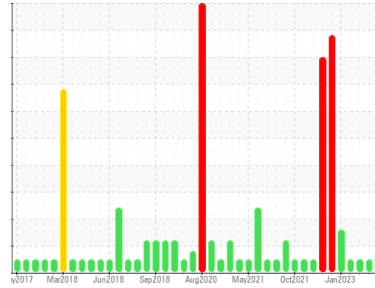




# OIL ANALYSIS REPORT

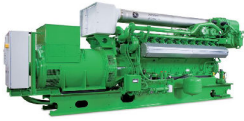
Sample Rating Trend



**WEAR**



Area  
**EDLTAY**  
Machine Id  
**TAYM04BE (S/N 1207234)**  
Component  
**Biogas Engine**  
Fluid  
**CHEVRON HDAX 6500 LFG GAS ENGINE OIL (180 GAL)**



## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### ▲ Wear

The iron level is abnormal.

### Contamination

There is no indication of any contamination in the oil.

### 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.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0788206</b>	WC0788247	WC0788177
Sample Date	Client Info		<b>26 Sep 2023</b>	01 Aug 2023	10 Jul 2023
Machine Age	hrs	Client Info	<b>0</b>	255116	255116
Oil Age	hrs	Client Info	<b>255116</b>	255116	125925
Oil Changed	Client Info		<b>N/A</b>	N/A	Changed
Sample Status			<b>ABNORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >15	<b>▲ 16</b>	10	6
Chromium	ppm	ASTM D5185m >4	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m >2	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m >5	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >6	<b>&lt;1</b>	3	1
Lead	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m >6	<b>6</b>	6	4
Tin	ppm	ASTM D5185m >4	<b>4</b>	2	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	<1
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>5</b>	6	7
Calcium	ppm	ASTM D5185m	<b>1941</b>	1832	1837
Phosphorus	ppm	ASTM D5185m	<b>302</b>	272	281
Zinc	ppm	ASTM D5185m	<b>373</b>	347	346
Sulfur	ppm	ASTM D5185m	<b>4041</b>	3143	2642

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >181	<b>32</b>	14	5
Sodium	ppm	ASTM D5185m >20	<b>38</b>	0	1
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	1	2

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >2	<b>0</b>	0	0.1
Nitration	Abs/cm	*ASTM D7624 >20	<b>5.2</b>	4.9	5.0
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>24.2</b>	18.4	16.5

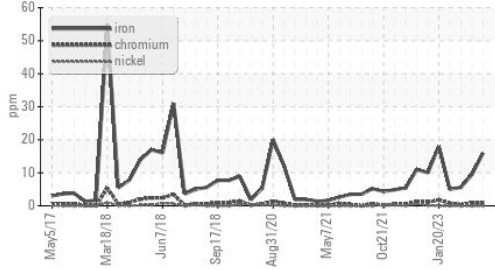
## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>10.5</b>	8.3	8.1
Acid Number (AN)	mg KOH/g	ASTM D8045 1.2	<b>1.50</b>	1.13	0.89
Base Number (BN)	mg KOH/g	ASTM D2896 4.5	<b>3.08</b>	3.43	5.09

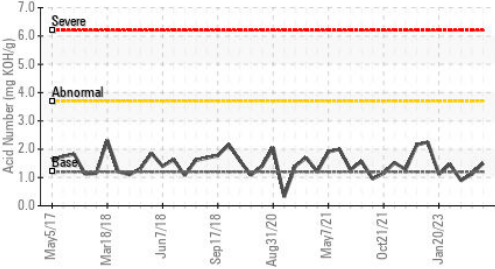


# OIL ANALYSIS REPORT

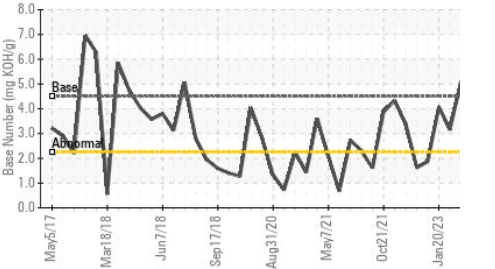
### ▲ Ferrous Alloys



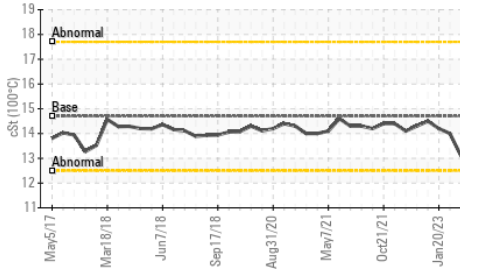
### Acid Number



### Base Number



### Viscosity @ 100°C

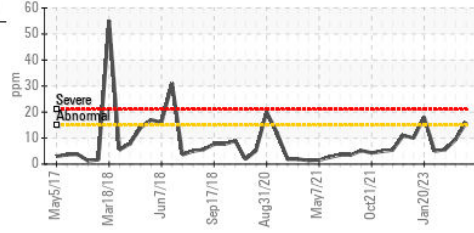


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

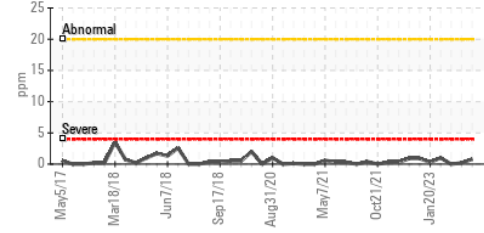
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14.7	13.3	13.1

### GRAPHS

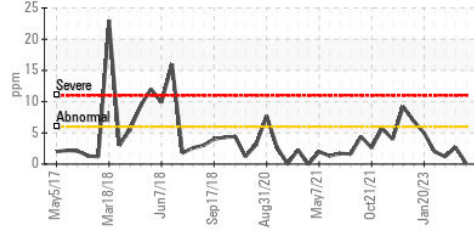
#### ▲ Iron (ppm)



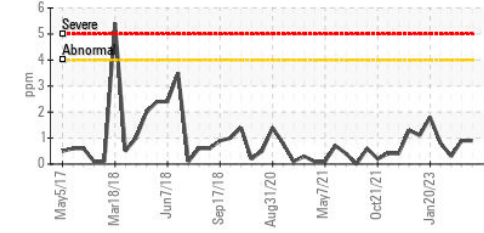
#### Lead (ppm)



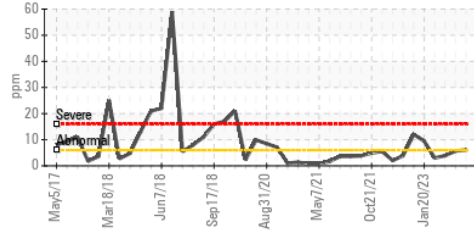
#### Aluminum (ppm)



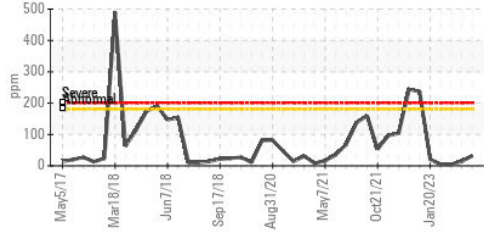
#### Chromium (ppm)



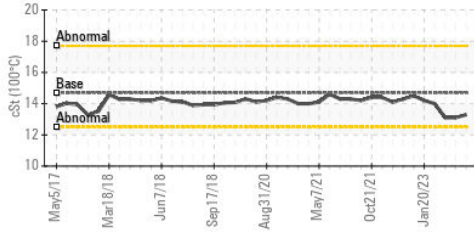
#### Copper (ppm)



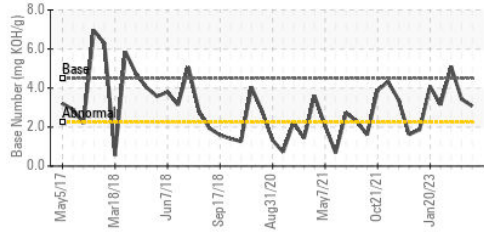
#### Silicon (ppm)



#### Viscosity @ 100°C



#### Base Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0788206 **Received** : 02 Oct 2023  
**Lab Number** : 05966499 **Diagnosed** : 04 Oct 2023  
**Unique Number** : 10673050 **Diagnostician** : Don Baldrige  
**Test Package** : MOB 2

**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)