



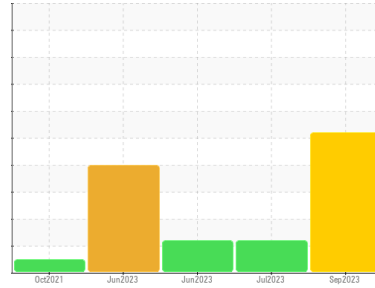
OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL

Area
EDLTAY
Machine Id
TAYM02BE (S/N 1256574)

Component
Landfill Biogas Engine
Fluid
CHEVRON HDAX 6500 LFG GAS ENGINE OIL (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

The iron level is abnormal. The tin level is abnormal.

Contamination

Sodium and/or potassium levels are high. Test for glycol is negative.

Fluid Condition

The AN level is above the recommended limit. The BN level is low.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0788204	WC0788243	WC0788168
Sample Date	Client Info		26 Sep 2023	10 Jul 2023	28 Jun 2023
Machine Age	hrs	Client Info	4172	4000	350986
Oil Age	hrs	Client Info	287351	0	63635
Oil Changed	Client Info		N/A	Changed	N/A
Sample Status			ABNORMAL	ATTENTION	ATTENTION

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	▲ 23	18	18
Chromium	ppm	ASTM D5185m >5	2	<1	<1
Nickel	ppm	ASTM D5185m >2	0	0	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m >5	0	<1	0
Aluminum	ppm	ASTM D5185m >15	<1	2	<1
Lead	ppm	ASTM D5185m >20	<1	<1	<1
Copper	ppm	ASTM D5185m >15	2	2	1
Tin	ppm	ASTM D5185m >5	▲ 6	2	1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	0
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	<1	<1	<1
Manganese	ppm	ASTM D5185m	<1	1	<1
Magnesium	ppm	ASTM D5185m	7	10	10
Calcium	ppm	ASTM D5185m	1830	1747	1812
Phosphorus	ppm	ASTM D5185m	283	275	288
Zinc	ppm	ASTM D5185m	368	344	364
Sulfur	ppm	ASTM D5185m	4892	3937	3240

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >200	23	6	7
Sodium	ppm	ASTM D5185m >20	▲ 63	▲ 65	▲ 65
Potassium	ppm	ASTM D5185m >20	1	3	1

INFRA-RED

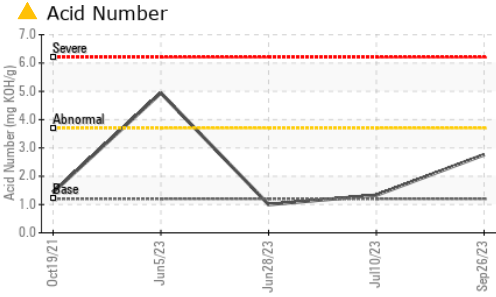
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >2	0	0.1	0.1
Nitration	Abs/cm	*ASTM D7624 >20	4.6	4.9	4.7
Sulfation	Abs/.1mm	*ASTM D7415 >30	30.5	20.5	17.6

FLUID DEGRADATION

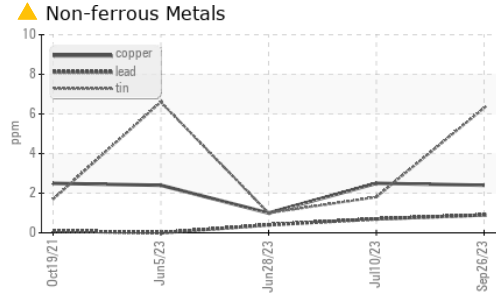
	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	12.4	8.9	8.2
Acid Number (AN)	mg KOH/g	ASTM D8045 1.2	▲ 2.76	1.33	1.00
Base Number (BN)	mg KOH/g	ASTM D2896 4.5	▲ 0.87	3.39	4.45



OIL ANALYSIS REPORT

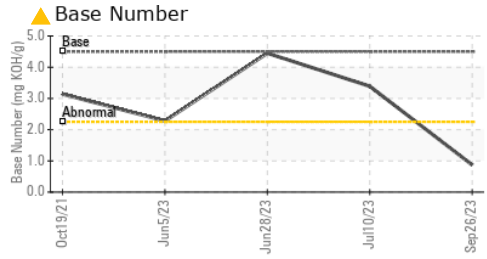
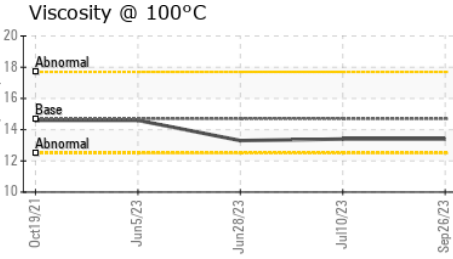
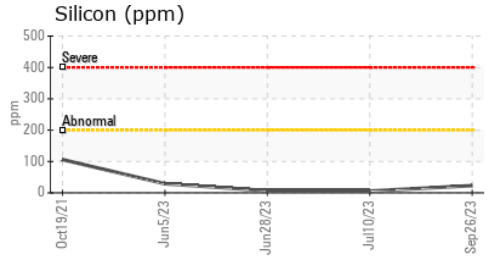
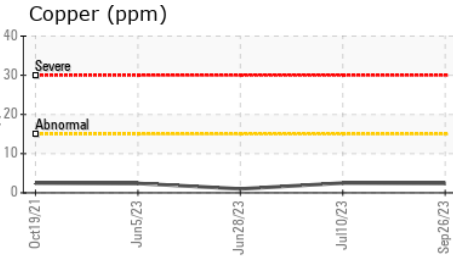
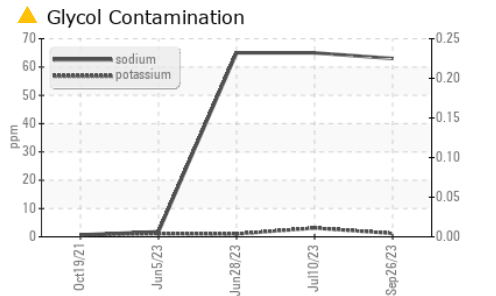
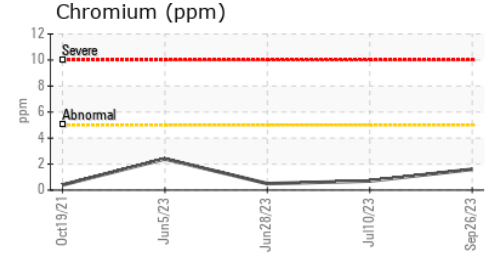
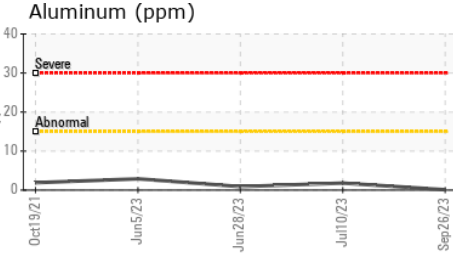
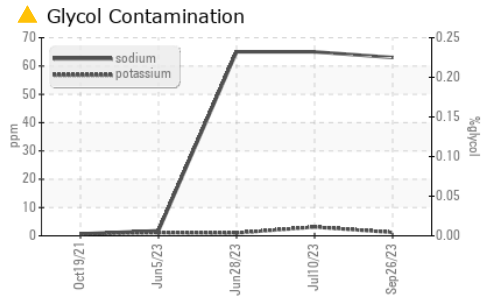
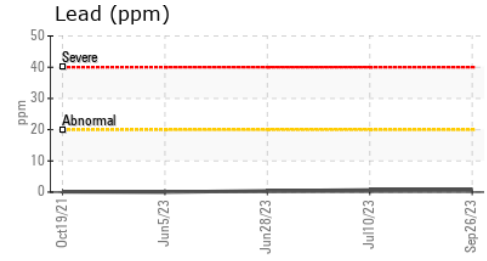
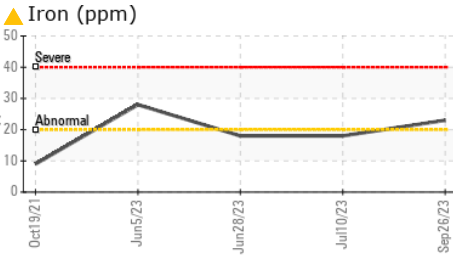
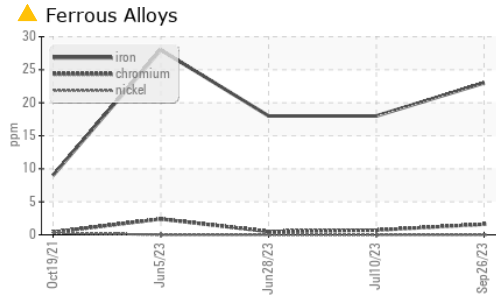


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.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	13.4	13.3

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0788204 **Received** : 02 Oct 2023
Lab Number : 05966498 **Diagnosed** : 04 Oct 2023
Unique Number : 10673049 **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
 T:
 F:

Certificate L2367
 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)