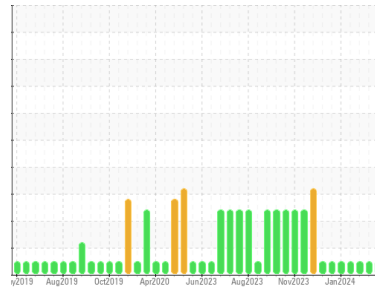




OIL ANALYSIS REPORT

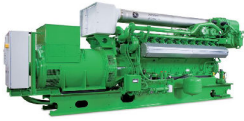
Sample Rating Trend



NORMAL



Area
EDLTAY
 Machine Id
TAYM07BE (S/N 1256580)
 Component
Biogas Engine
 Fluid
CHEVRON HDAX 9500 GAS ENGINE OIL 40 (200 GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

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	WC0901605	WC0901598	WC0901590	
Sample Date	Client Info	03 Apr 2024	27 Mar 2024	21 Mar 2024	
Machine Age	hrs	Client Info	112819	112819	112819
Oil Age	hrs	Client Info	667	499	355
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd	
Sample Status		NORMAL	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	<1	5	4
Chromium	ppm ASTM D5185m >3	<1	2	<1
Nickel	ppm ASTM D5185m	0	<1	0
Titanium	ppm ASTM D5185m	0	<1	0
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >5	<1	2	<1
Lead	ppm ASTM D5185m >6	0	<1	<1
Copper	ppm ASTM D5185m >5	<1	1	2
Tin	ppm ASTM D5185m >6	2	2	2
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	<1	2	<1
Barium	ppm ASTM D5185m	0	0	0
Molybdenum	ppm ASTM D5185m	3	6	3
Manganese	ppm ASTM D5185m	<1	<1	<1
Magnesium	ppm ASTM D5185m	6	14	6
Calcium	ppm ASTM D5185m	1751	1703	1757
Phosphorus	ppm ASTM D5185m	237	239	248
Zinc	ppm ASTM D5185m	292	308	289
Sulfur	ppm ASTM D5185m	3386	3195	3308

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >180	11	13	12
Sodium	ppm ASTM D5185m	4	4	4
Potassium	ppm ASTM D5185m >20	4	7	4

INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >2	0	0	0
Nitration	Abs/cm *ASTM D7624 >20	5.0	4.8	4.6
Sulfation	Abs/.1mm *ASTM D7415 >30	21.3	19.2	18.0

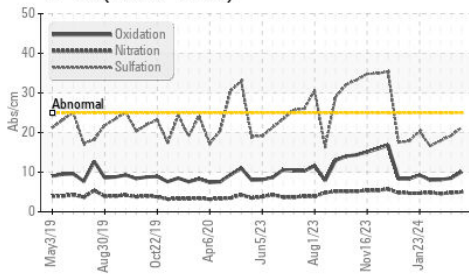
FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >15	10.1	8.5	8.1
Acid Number (AN)	mg KOH/g ASTM D8045 1.0	1.73	1.44	1.55
Base Number (BN)	mg KOH/g ASTM D2896 5.4	2.65	3.82	3.44

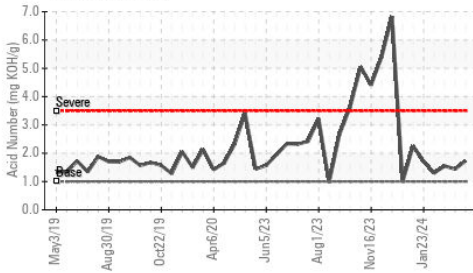


OIL ANALYSIS REPORT

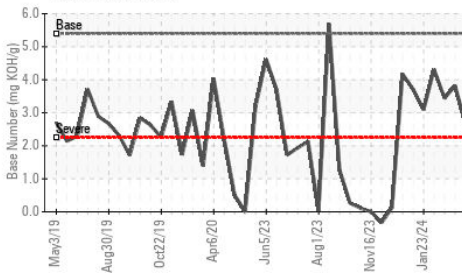
FT-IR (Direct Trend)



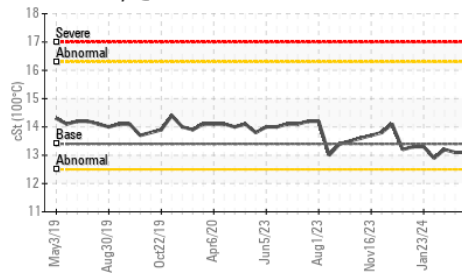
Acid Number



Base Number



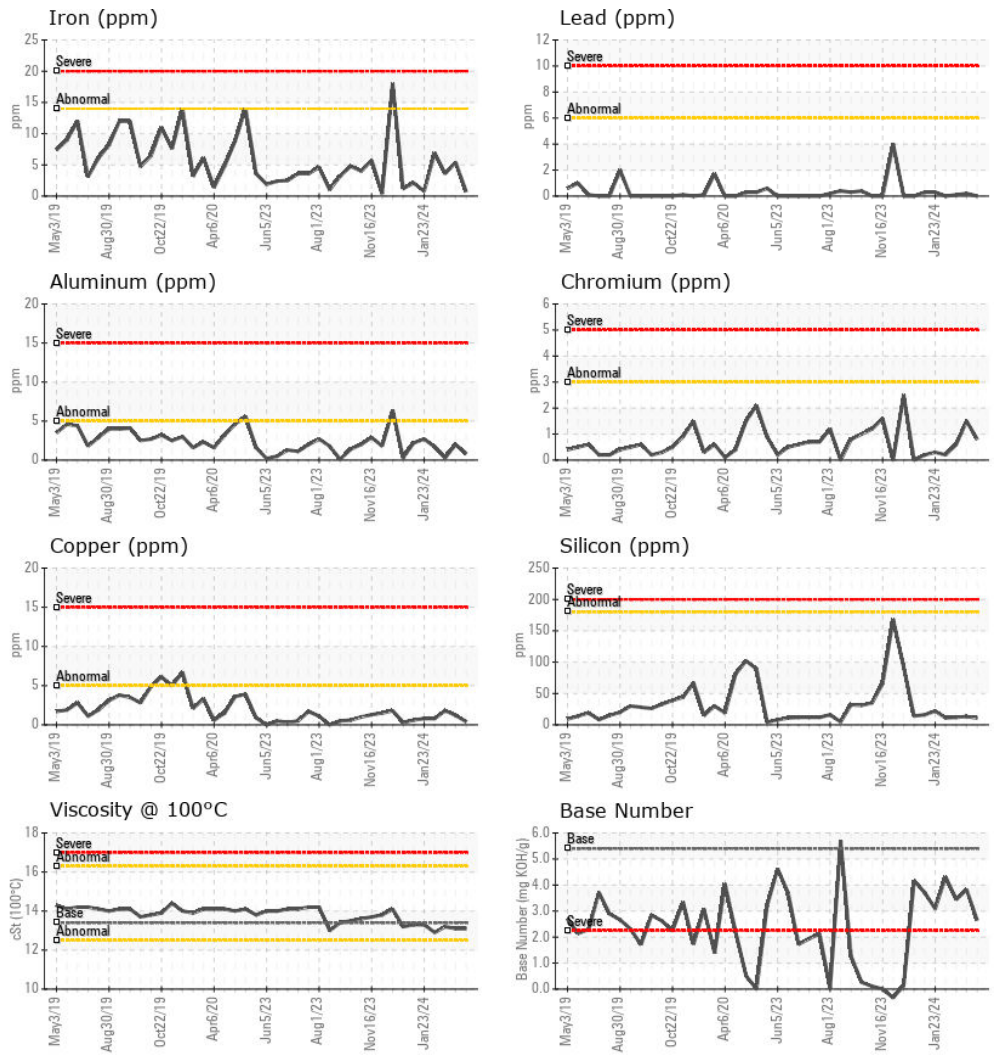
Viscosity @ 100°C



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	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	13.1	13.2

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0901605
Lab Number : 06143243
Unique Number : 10968051
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)