

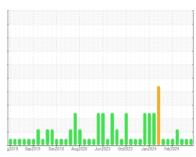
Sample Rating Trend





EDLTAY TAYM03BE (S/N 1256582) Component Biogas Engine

CHEVRON HDAX 9500 GAS ENGINE OIL 40 (180 GAL)





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

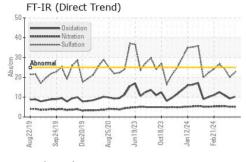
Fluid Condition

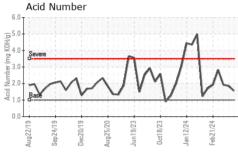
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

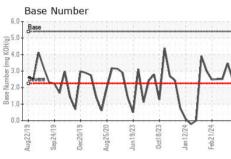
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0901601	WC0901586	WC0901580
Sample Date		Client Info		03 Apr 2024	21 Mar 2024	05 Mar 2024
Machine Age	hrs	Client Info		55664	55664	8282
Oil Age	hrs	Client Info		377	65	1320
Oil Changed	1110	Client Info		Not Changd	Changed	Not Changd
Sample Status		Oliotic IIIIo		NORMAL	NORMAL	NORMAL
·		.1	1			
CONTAMINATION	V	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	0	<1	3
Chromium	ppm	ASTM D5185m	>3	0	0	<1
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>5	2	<1	2
Lead	ppm	ASTM D5185m	>6	0	0	<1
Copper	ppm	ASTM D5185m	>5	0	<1	<1
Tin	ppm	ASTM D5185m	>6	3	2	4
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES						
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	method ASTM D5185m	limit/base	current 0	history1 0	history2 0
	ppm		limit/base			
Boron		ASTM D5185m	limit/base	0	0	0
Boron Barium	ppm	ASTM D5185m ASTM D5185m	limit/base	0 0	0	0
Boron Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 0 2	0 0 2	0 0 2
Boron Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 0 2 <1	0 0 2 <1	0 0 2 0
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 0 2 <1 7	0 0 2 <1 6	0 0 2 0 5
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 0 2 <1 7 1864	0 0 2 <1 6 1907	0 0 2 0 5 1848
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 0 2 <1 7 1864 257	0 0 2 <1 6 1907 266	0 0 2 0 5 1848 248
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 0 2 <1 7 1864 257 326	0 0 2 <1 6 1907 266 315	0 0 2 0 5 1848 248 331
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 0 2 <1 7 1864 257 326 3380	0 0 2 <1 6 1907 266 315 2974	0 0 2 0 5 1848 248 331 3375
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base	0 0 2 <1 7 1864 257 326 3380 current	0 0 2 <1 6 1907 266 315 2974	0 0 2 0 5 1848 248 331 3375 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base	0 0 2 <1 7 1864 257 326 3380 current	0 0 2 <1 6 1907 266 315 2974 history1	0 0 2 0 5 1848 248 331 3375 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >180	0 0 2 <1 7 1864 257 326 3380 current	0 0 2 <1 6 1907 266 315 2974 history1	0 0 2 0 5 1848 248 331 3375 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >180 >20	0 0 2 <1 7 1864 257 326 3380 current 9 5	0 0 2 <1 6 1907 266 315 2974 history1 9 4 3	0 0 2 0 5 1848 248 331 3375 history2 16 8
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >180 >20 limit/base	0 0 2 <1 7 1864 257 326 3380 current 9 5 4	0 0 2 <1 6 1907 266 315 2974 history1 9 4 3	0 0 2 0 5 1848 248 331 3375 history2 16 8 11
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m Method *ASTM D5185m *ASTM D5185m *ASTM D5185m *ASTM D5185m *ASTM D5185m	limit/base >180 >20 limit/base >2	0 0 2 <1 7 1864 257 326 3380 current 9 5 4	0 0 2 <1 6 1907 266 315 2974 history1 9 4 3 history1 0	0 0 2 0 5 1848 248 331 3375 history2 16 8 11 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >180 >20 limit/base >2 >2 >20	0 0 2 <1 7 1864 257 326 3380 current 9 5 4 current 0 5.1	0 0 2 <1 6 1907 266 315 2974 history1 9 4 3 history1 0 5.2	0 0 2 0 5 1848 248 331 3375 history2 16 8 11 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m Method *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7844 *ASTM D7624 *ASTM D76145	limit/base >180	0 0 2 <1 7 1864 257 326 3380 current 9 5 4 current 0 5.1 22.5	0 0 2 <1 6 1907 266 315 2974 history1 9 4 3 history1 0 5.2 20.1	0 0 2 0 5 1848 248 331 3375 history2 16 8 11 history2 0 5.4 24.3
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m Method *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method *ASTM D7844 *ASTM D7624 *ASTM D7415 Method	limit/base >180 >20 limit/base >2 >20 >30 limit/base	0 0 2 <1 7 1864 257 326 3380 current 9 5 4 current 0 5.1 22.5 current	0 0 2 <1 6 1907 266 315 2974 history1 9 4 3 history1 0 5.2 20.1 history1	0 0 2 0 5 1848 248 331 3375 history2 16 8 11 history2 0 5.4 24.3
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA Oxidation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m METHOD *ASTM D5185m ASTM D5185m *ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D5185m *ASTM D7844 *ASTM D7624 *ASTM D7624 *ASTM D7415 *ASTM D7414	limit/base >180 >20 limit/base >2 >20 >30 limit/base >15	0 0 2 <1 7 1864 257 326 3380 current 9 5 4 current 0 5.1 22.5 current	0 0 2 <1 6 1907 266 315 2974 history1 9 4 3 history1 0 5.2 20.1 history1 9.3	0 0 2 0 5 1848 248 331 3375 history2 16 8 11 history2 0 5.4 24.3 history2 11.0

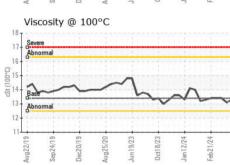


OIL ANALYSIS REPORT





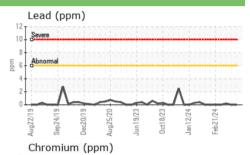


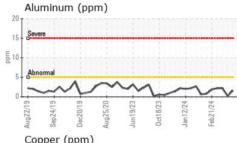


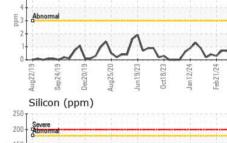
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

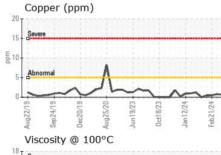
FLUID PROPER	HES	method	limit/base		history1	history2
Visc @ 100°C	cSt	ASTM D445	13.4	13.3	13.1	13.4

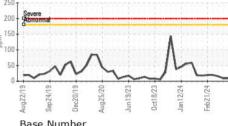
Seve	ere						11 11
Abn	ormal			00011	11111		
		4	^	200	7		
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	Sep24/19	V-500/19	Aug25/20	Jun19/23	Oct18/23	Jan12/24	Feb21/24

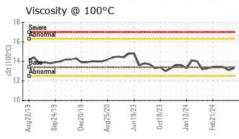


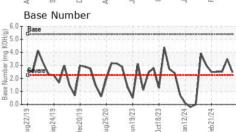
















Certificate 12367

Laboratory Sample No.

Lab Number : 06143244

: WC0901601 Unique Number : 10968052 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 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)

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F: