

OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION



EDLTAY TAYM01BE (S/N 1256576) Component

Biogas Engine Fluid

CHEVRON HDAX 6500 LFG GAS ENGINE OIL (180 GAL)



DIAGNOSIS	SAMPLE INFORM	/IATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		WC0788163	WC0788202	WC0526601
We recommend that you drain the oil from the	Sample Date		Client Info		05 Jun 2023	02 Mar 2023	20 Jan 2023
component if this has not already been done. We	Machine Age	hrs	Client Info		3571	1660	904
recommend an early resample to monitor this	Oil Age	hrs	Client Info		3571	1660	904
condition.	Oil Changed		Client Info		N/A	Changed	N/A
Wear	Sample Status				ABNORMAL	NORMAL	ABNORMAL
All component wear rates are normal. Contamination	CONTAMINATIO	N	method	limit/base	current	history1	history2
There is no indication of any contamination in the	Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
oil.	Water		WC Method	>.2	NEG	NEG	NEG
Fluid Condition	Glycol		WC Method		NEG	NEG	NEG
The BN level is low. The AN level is at the top-end of the recommended limit.	WEAR METALS		method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>15	6	2	4
	Chromium	ppm	ASTM D5185m		1	<1	<1
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m	~_	0	<1	0
	Silver	ppm	ASTM D5185m	>5	0	0	0
	Aluminum	ppm	ASTM D5185m		1	1	2
	Lead	ppm	ASTM D5185m		0	1	0
	Copper	ppm	ASTM D5185m		<1	<1	2
	Tin	ppm	ASTM D5185m		4	<1	<1
	Antimony	ppm	ASTM D5185m				
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
		ppm		11			
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		1	5	4
	Barium	ppm	ASTM D5185m		0	0	1
	Molybdenum	ppm	ASTM D5185m		2	3	2
	Manganese	ppm	ASTM D5185m		<1	1	<1
	Magnesium	ppm	ASTM D5185m		19	25	10
	Calcium	ppm	ASTM D5185m		1898	1594	1791
	Phosphorus	ppm	ASTM D5185m		311	284	294
	Zinc	ppm	ASTM D5185m		408	354	375
	Sulfur	ppm	ASTM D5185m		6113	3925	4043
	CONTAMINANTS	;	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>181	10	4	5
	Sodium	ppm	ASTM D5185m	>20	2	<1	0
	Potassium	ppm	ASTM D5185m	>20	1	2	2
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>2	0.1	0.1	0.1
							-

Abs/cm *ASTM D7624 >20

Abs/.1mm *ASTM D7415 >30

Nitration Sulfation 4.4

24.5

4.1

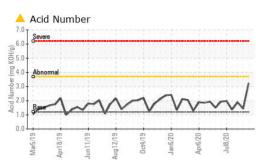
33.3

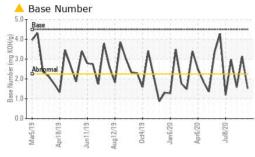
3.8

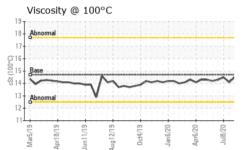
19.2



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	TION	method	limit/base	current	history1	history2
exidation	Abs/.1mm	*ASTM D7414	>25	13.4	8.4	11.6
cid Number (AN)	mg KOH/g	ASTM D8045	1.2	3.24	1.43	1.88
ase Number (BN)	mg KOH/g	ASTM D2896	4.5	1.52	3.14	1.58
VISUAL		method	limit/base	current	history1	history2
/hite Metal	scalar	*Visual	NONE	NONE	NONE	NONE
ellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
recipitate	scalar	*Visual	NONE	NONE	NONE	NONE
ilt	scalar	*Visual	NONE	NONE	NONE	NONE
ebris	scalar	*Visual	NONE	NONE	NONE	NONE
and/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
opearance	scalar	*Visual	NORML	NORML	NORML	NORML
dor	scalar	*Visual	NORML	NORML	NORML	NORML
mulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
ree Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
isc @ 100°C	cSt	ASTM D445	14.7	14.5	14.0	14.5
GRAPHS						
Iron (ppm)				Lead (ppm)		
	863818		30			
Severe Abnormal			E 20	Abnormal	****	
		5. /	<u>ه</u> ۱۵			
	$ \rightarrow $	\sim	<u> </u>	Severe		
Mar5/19 Apr18/19 Jun11/19 Aug12/19	0ct4/19	Jan6/20 Apr6/20	-	Mar5/19 Apr18/19 Jun11/19	Aug12/19 - Oct4/19 - Jan6/20 -	Apr6/20
Aluminum (ppm)			,	M do In	Jan Oc	Apri Juli
			,	~ ~		Apri Jul
111111111111111111111111111111111111111			, 6	Chromium (p		April
Severe		200020003	6 4	Chromium (p		Apr
111111111111111111111111111111111111111			6	Chromium (p		Apri
Severe	~	\sim	6 4	Chromium (p		
Severe Abnormal	ct4/19	n6/20		Chromium (p	pm)	~~^
April 2/19 April 2/19 Auril 1/19 Aug 12/19 Aug 12/19	0ct4/19	Apr6/20 - Apr6/2		Chromium (p Severe Abnormal 61/11unr 61/11unr		~~^
Severe Abnormal	0ct4/19	Apr6/20		Chromium (p	pm)	~~^
Viarb/19 Apround Aproximation Aproximatio	0ct4/19	Apr6/20 + + + + + + + + + + + + + + + + + + +		Chromium (p	pm)	~~^
Severe Abnormal	6L/#p00	Apr6/20		Chromium (p	pm)	~~^
Severe Abnormal Abnormal BI/SIEW BI		Apr6/20 Apr6/20		Chromium (p	pm)	\sim
Severe Abnormal 61/3 Ling 61/3				Chromium (p	buu)	Apric 20 Apric 20
Severe Abnormal BLSEW Copper (ppm) Severe Abnormal		Apr6/20 + Apr6/2		Chromium (p	pm)	Apr6/20
Severe Approximate Approximate Approximate Approximate Br/SteM Br/Ste				Chromium (p Chromium (p Bullion (p) Silicon (ppm) Chromium (p Chromium (p Chromium (p) Chromium (p) Chromi	Aug12/19 + Aug12/19 (ud 0ct4/19 + 0ct4/19 0ct	Apricizio
Severe Abnormal 61/21 bny Copper (ppm) Severe Abnormal 61/21 bny Copper (ppm) Severe 61/21 bny 61/21				Chromium (p	Aug12/19 + Aug12/19 (ud 0ct4/19 + 0ct4/19 0ct	Apricizio
Severe Approximate Approximate Approximate Approximate Br/SteM Br/Ste				Chromium (p	Aug12/19 + Aug12/19 (ud 0ct4/19 + 0ct4/19 0ct	Apricizio
Severe Abnormal Guyper (ppm) Severe Abnormal Abnormal Abnormal Abnormal Abnormal Burgludy Burglu				Chromium (p	Aug12/19 + Aug12/19 (ud 0ct4/19 + 0ct4/19 0ct	Apric 20 Apric 20 Julia 20
Severe Abnormal Abnormal Copper (ppm) Severe Abnormal Bitscosity @ 100°C Abnormal Base	6 LV\$PDO		300 200 4 4 4 4 4 4 4 4 4 4 4 4 4	Chromium (p	Aug12/19 + Aug12/19 (ud 0ct4/19 + 0ct4/19 0ct	Apr6/20 Solution Solu

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 **EDL NA Recips-Taylor County** Laboratory Sample No. : WC0788163 Received : 09 Jun 2023 TAYLOR COUNTY POWER STATION, COUNTY ROAD 33 & STEWART ROAD Lab Number : 05870450 Diagnosed : 14 Jun 2023 MAUK, GA Unique Number : 10510234 Diagnostician : Jonathan Hester US 31058 Test Package : MOB 2 Contact: STEVEN BABB Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. steven.babb@edlenergy.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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