

OIL ANALYSIS REPORT

Sample Rating Trend







DECM01BE (S/N ZBA01290) Component

Biogas Engine

CHEVRON HDAX 9500 GAS ENGINE OIL 40 (100 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (
Customer Sample Comment:

Top Up Amount: 12 GAL)

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 INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0732846	WC0732849	WC0732840
Sample Date		Client Info		06 Jun 2024	22 May 2024	13 May 2024
Machine Age	hrs	Client Info		59744	59384	59170
Oil Age	hrs	Client Info		58345	58345	58345
Oil Changed		Client Info		Oil Added	Oil Added	Oil Added
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	V	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>.11	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		17		
Iron	ppm	ASTM D5185m	>15	8	4	1
Chromium	ppm	ASTM D5185m	>4	<1	<1	0
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	1	0
Aluminum	ppm	ASTM D5185m	>6	3	2	<1
Lead	ppm	ASTM D5185m	>9	2	1	0
Copper	ppm	ASTM D5185m	>6	2	2	<1
Tin	ppm	ASTM D5185m	>4	1	2	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		6	7	6
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		9	10	8
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		26	33	31
Calcium	ppm	ASTM D5185m		2150	1964	1778
Phosphorus	ppm	ASTM D5185m		324	316	287
Zinc	ppm	ASTM D5185m		412	420	361
Sulfur	ppm	ASTM D5185m		3218	2919	2608
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>181	157	148	113
Sodium	ppm	ASTM D5185m	>21	2	0	0
Potassium	ppm	ASTM D5185m	>20	2	3	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0
Nitration	Abs/cm	*ASTM D7624		6.7	6.0	5.5
Sulfation	Abs/.1mm	*ASTM D7415		21.1	19.1	17.4



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Certificate 12367

Laboratory Sample No.

Lab Number

: 06204881

Unique Number : 11072342

: WC0732846

Tested : 12 Jun 2024 Diagnosed : 12 Jun 2024 - Don Baldridge Test Package : MOB 2 (Additional Tests: pq)

Received

: 10 Jun 2024

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation. **EDL NA Recips-Decatur**

620 LANDFILL DRIVE TRINITY, AL US 35673

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: ENETRI [WUSCAR] 06204881 (Generated: 06/12/2024 18:09:40) Rev: 1

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