

OIL ANALYSIS REPORT

Sample Rating Trend







Hancock CAT 1 (S/N 4EK00133) Component

Biogas Engine

CHEVRON HDAX LFG SAE 40 (--- 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

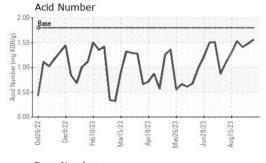
Fluid Condition

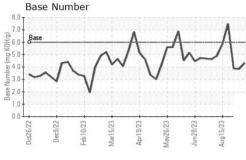
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

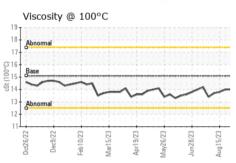
SAMPLE INFORMATION method limit/base current history1 h	
	nistory2
Sample Number Client Info WC0851188 WC0851185 WC08	802714
Sample Date Client Info 22 Sep 2023 08 Sep 2023 30 Au	ug 2023
Machine Age hrs Client Info 65456 65119 6490	5
Oil Age hrs Client Info 1377 1040 826	
	Changd
Sample Status NORMAL NORMAL NOR	_
	nistory2
Fuel WC Method >4.0 <1.0 <1.0 <1	
	EG
WEAR METALS method limit/base current history1 h	nistory2
Iron ppm ASTM D5185m >15 2 2	
Chromium ppm ASTM D5185m >4 <1	
Nickel ppm ASTM D5185m >2 1 0 0	
Titanium ppm ASTM D5185m 0 0 0	
Silver ppm ASTM D5185m >5 0 0 0	
Aluminum ppm ASTM D5185m >6 3 <1 <1	
Lead ppm ASTM D5185m >9 2 2 1	
Copper ppm ASTM D5185m >14 1 1 1	
Tin ppm ASTM D5185m >4 6 6 5	
Vanadium ppm ASTM D5185m 0 0 0	
Cadmium ppm ASTM D5185m 0 0 0	
··	
ADDITIVES method limit/base current history1 h	nistory2
Boron ppm ASTM D5185m 0 0 <1	
Boron ppm ASTM D5185m 0 0 <1	
Boron ppm ASTM D5185m 0 0 <1	
Boron ppm ASTM D5185m 0 0 <1	
Boron ppm ASTM D5185m 0 0 <1	
Boron ppm ASTM D5185m 0 0 <1)46
Boron ppm ASTM D5185m 0 0 <1	046
Boron ppm ASTM D5185m 0 0 <1	046
Boron ppm ASTM D5185m 0 0 <1	046 03 62
Boron ppm ASTM D5185m 0 0 <1	046 03 62 850 nistory2
Boron ppm ASTM D5185m 0 0 <1	046 03 62 850 nistory2
Boron ppm ASTM D5185m 0 0 <1	046 03 62 850 nistory2
Boron ppm ASTM D5185m 0 0 <1	046 03 62 850 nistory2
Boron ppm ASTM D5185m 0 0 <1	046 03 52 850 nistory2
Boron ppm ASTM D5185m 0 0 <1	046 03 62 050 nistory2 86
Boron ppm ASTM D5185m 0 0 <1	046 03 62 850 nistory2 86
Boron ppm ASTM D5185m 0 0 <1	046 03 62 850 nistory2 86
Boron ppm ASTM D5185m 0 0 <1	046 03 62 850 nistory2 86 nistory2
Boron ppm ASTM D5185m 0 0 <1	046 03 62 850 nistory2 66 16 0.4 nistory2



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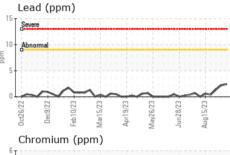


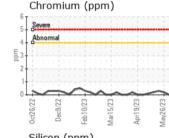


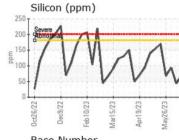
VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

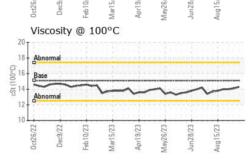
FLUID FROFER	THES	memou			HISTOLAL	HISTORYZ
Visc @ 100°C	cSt	ASTM D445	15.1	14.3	14.1	14.0

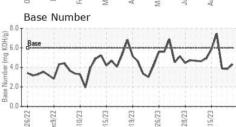
Abno	ormal							11
~	~	~	\ _		\wedge			ji.
22	22	23	23	<u>~~</u>	23	23	23	
Oct26/22	Dec9/22	Feb 10/23	Mar15/23	Apr19/23	May26/23	Jun28/23	Aug15/23	
Alu	minur				2	7	A	
Seve		(PF	,					















Certificate L2367

Laboratory Sample No. Lab Number

Unique Number Test Package : MOB 2

: WC0851188

Copper (ppm)

E 10

: 05960757 : 10661970

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Sep 2023

: 27 Sep 2023 Diagnosed Diagnostician : Don Baldridge **EDL NA Recips-Hancock County**

HANCOCK COUNTY POWER STATION, 3574 TOWNSHIP ROAD 142 FINDLAY, OH

US 45840

Contact: TIM CUSICK

tim.cusick@energydevelopments.com T:

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)

Report Id: ENEFIN [WUSCAR] 05960757 (Generated: 09/27/2023 21:40:14) Rev: 1

Submitted By: TIM CUSICK

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