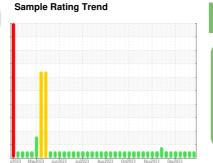


## **OIL ANALYSIS REPORT**





NORMAL

Recommendation

Contamination

Fluid Condition

suitable for further service.

Wear

oil.

Resample at the next service interval to monitor.

There is no indication of any contamination in the

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

All component wear rates are normal.

HANM03BE (S/N 3RC00176)

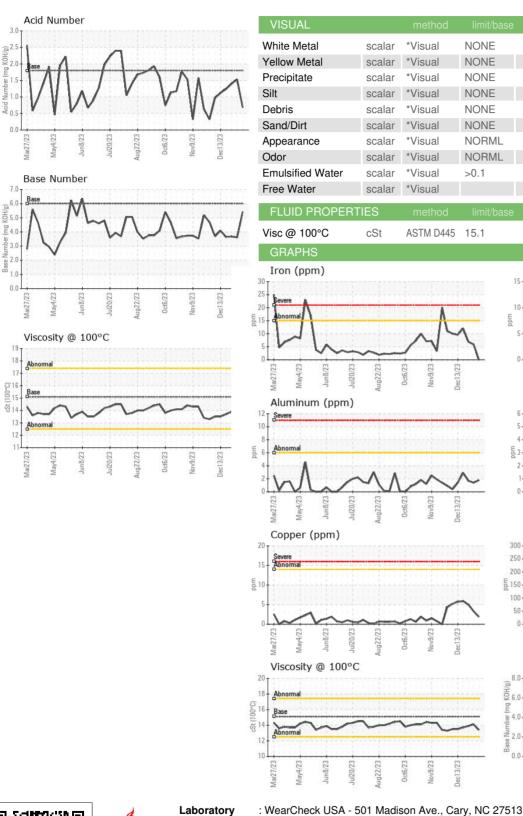
Biogas Engine

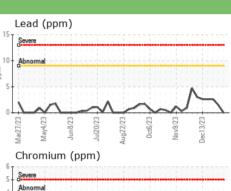
CHEVRON HDAX LFG SAE 40 (--- GAL)

"ZOZ3 MayZOZ3 JurZOZ3 JurZOZ3 JurZOZ3 OczOZ3 MorZOZ3 DecZOZ3						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0851241	WC0851236	WC0851271
Sample Date		Client Info		12 Jan 2024	05 Jan 2024	28 Dec 2023
Machine Age	hrs	Client Info		72775	72641	72444
Oil Age	hrs	Client Info		19	902	705
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIC	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>15	0	6	7
Chromium	ppm	ASTM D5185m	>4	0	0	0
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>6	2	1	2
Lead	ppm	ASTM D5185m	>9	0	2	3
Copper	ppm	ASTM D5185m	>14	2	3	5
Tin	ppm	ASTM D5185m	>4	1	4	4
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	5	6
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		3	4	4
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		19	24	24
Calcium	ppm	ASTM D5185m		1661	1835	1780
Phosphorus	ppm	ASTM D5185m	270	276	320	302
Zinc	ppm	ASTM D5185m	310	338	390	377
Sulfur	ppm	ASTM D5185m	0.0	1700	2409	2361
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>181	50	131	115
Sodium	ppm	ASTM D5185m		6	16	22
Potassium	ppm	ASTM D5185m	>20	0	0	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.7	7.6	7.1
Sulfation	Abs/.1mm	*ASTM D7415		16.1	21.9	20.3
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	9.6	18.2	16.4
Acid Number (AN)	mg KOH/g	ASTM D8045	1.8	0.683	1.53	1.40
Base Number (BN)	mg KOH/g	ASTM D2896	6.0	5.42	3.61	3.67
	ing itoring	. 10 02000	5.0		0.01	0.07



## **OIL ANALYSIS REPORT**





NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

14.1

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

13.9

NONE

NONE

NONE

NONE

NONE

NONE

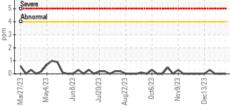
NORML

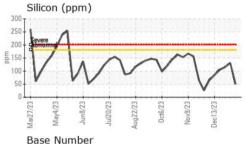
NORML

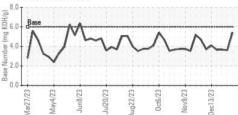
NEG

NEG

13.4







**EDL NA Recips-Hancock County** HANCOCK COUNTY POWER STATION, 3574 TOWNSHIP ROAD 142 FINDLAY, OH US 45840 Contact: TIM CUSICK tim.cusick@edlenergy.com T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

Sample No.

Lab Number

Unique Number

Test Package

: WC0851241

:06062166

: 10833548

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.

: MOB 2

Recieved

Diagnosed

Diagnostician

: 16 Jan 2024

: 18 Jan 2024

: Don Baldridge

