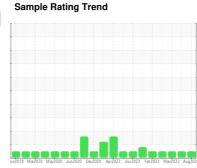


## **OIL ANALYSIS REPORT**





Resample at the next service interval to monitor. ( Customer Sample Comment: 700 hour sample )

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.

Recommendation

Contamination

Fluid Condition

suitable for further service.

Wear

oil.

## Brent Run CAT 5 BRRM05BE

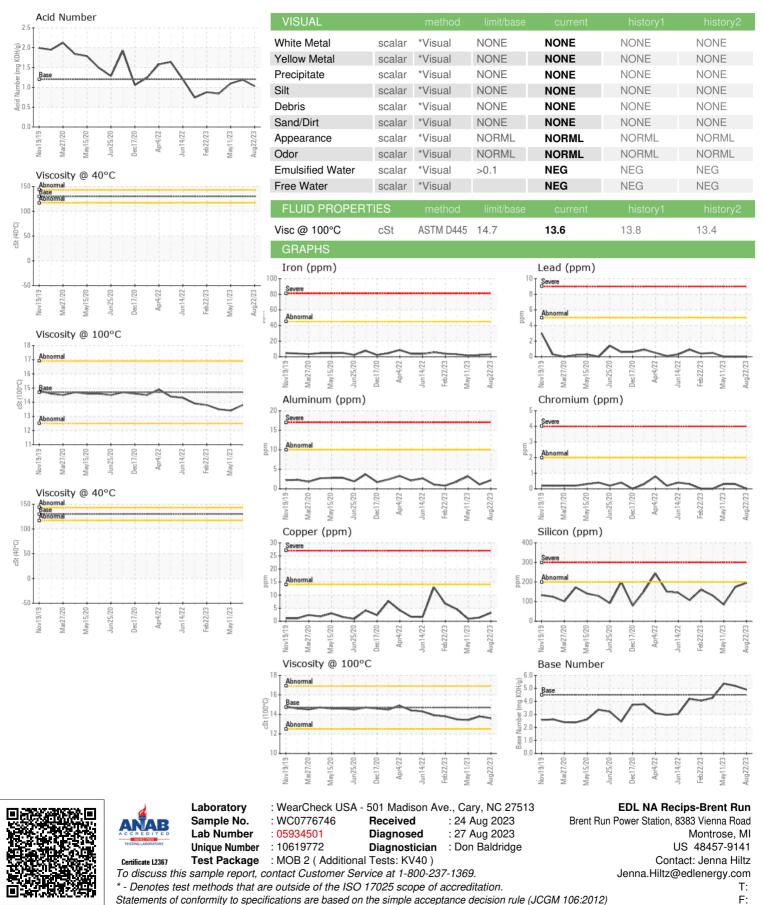
Biogas Engine

CHEVRON HDAX 6500 LFG GAS ENGINE OIL (--- GAL)

GAS ENGINE OIL ( GAL)						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0776746	WC0776856	WC0776881
Sample Date		Client Info		22 Aug 2023	02 Jun 2023	11 May 202
Machine Age	hrs	Client Info		80152	79954	79618
Dil Age	hrs	Client Info		718	520	184
Dil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>45	3	2	2
Chromium	ppm	ASTM D5185m	>2	0	<1	<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	>10	2	1	3
Lead	ppm	ASTM D5185m	>5	0	0	0
Copper	ppm	ASTM D5185m	>14	3	1	<1
Гin	ppm	ASTM D5185m	>13	4	3	2
/anadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	2	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		4	2	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		15	14	14
Calcium	ppm	ASTM D5185m		1965	1942	1800
Phosphorus	ppm	ASTM D5185m		291	289	273
Zinc	ppm	ASTM D5185m		342	351	327
Sulfur	ppm	ASTM D5185m		2746	2910	2510
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>200	196	174	85
Sodium	ppm	ASTM D5185m		6	2	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Potassium INFRA-RED	ppm	ASTM D5185m method	>20 limit/base	0 current	<1 history1	
INFRA-RED	ppm %	method *ASTM D7844	limit/base			
INFRA-RED Soot %		method	limit/base	current	history1	history2
INFRA-RED Soot % Nitration	%	method *ASTM D7844	limit/base	current 0	history1 0	history2 0
INFRA-RED Soot % Nitration	% Abs/cm Abs/.1mm	method *ASTM D7844 *ASTM D7624	limit/base	current 0 5.9	history1 0 6.5	history2 0 5.6 16.9
INFRA-RED Soot % Nitration Sulfation FLUID DEGRAD	% Abs/cm Abs/.1mm	method *ASTM D7844 *ASTM D7624 *ASTM D7415	limit/base >20 >30	current 0 5.9 18.2	history1 0 6.5 18.9	history2 0 5.6 16.9
Soot % Nitration Sulfation	% Abs/cm Abs/.1mm ATION	method *ASTM D7844 *ASTM D7624 *ASTM D7415 method *ASTM D7414	limit/base >20 >30 limit/base	current 0 5.9 18.2 current	history1 0 6.5 18.9 history1	history2 0 5.6 16.9 history2



## **OIL ANALYSIS REPORT**



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