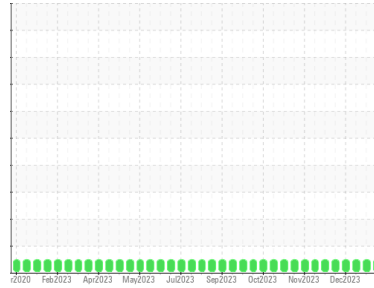




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**Brown County New Oil**

Component  
**New (Unused) Oil**

Fluid  
**CHEVRON HDAX 9500 GAS ENGINE OIL 40 (--- GAL)**

## DIAGNOSIS

### Recommendation

This is a baseline read-out on the submitted sample.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0760821</b>	WC0760891	WC0760894
Sample Date	Client Info			<b>26 Jan 2024</b>	19 Jan 2024	08 Jan 2024
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method			<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>5	<b>1</b>	<1	0
Lead	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0

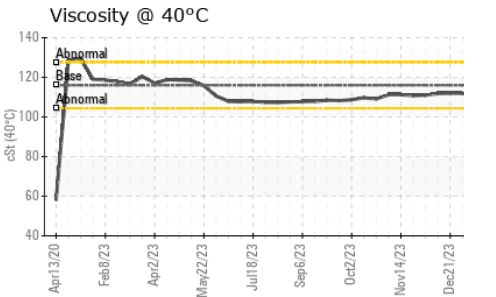
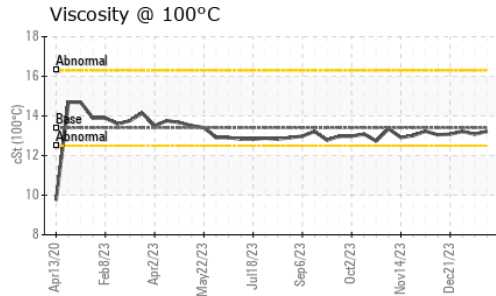
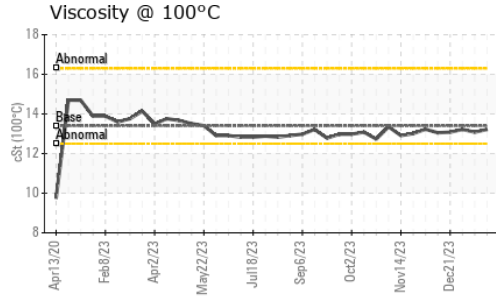
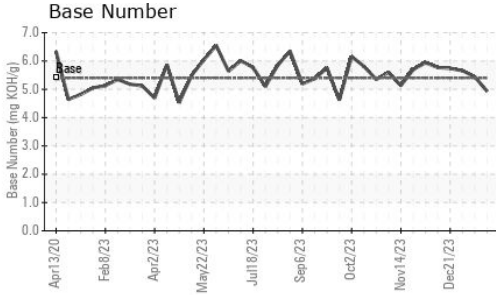
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>3</b>	11	13
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	5	4
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>36</b>	31	41
Calcium	ppm	ASTM D5185m		<b>2086</b>	1760	1718
Phosphorus	ppm	ASTM D5185m		<b>921</b>	291	388
Zinc	ppm	ASTM D5185m		<b>1071</b>	361	372
Sulfur	ppm	ASTM D5185m		<b>3907</b>	1564	1547

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>6</b>	4	3
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	1

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.1	<b>1.56</b>	0.444	0.39
Base Number (BN)	mg KOH/g	ASTM D2896	5.4	<b>4.93</b>	5.44	5.66



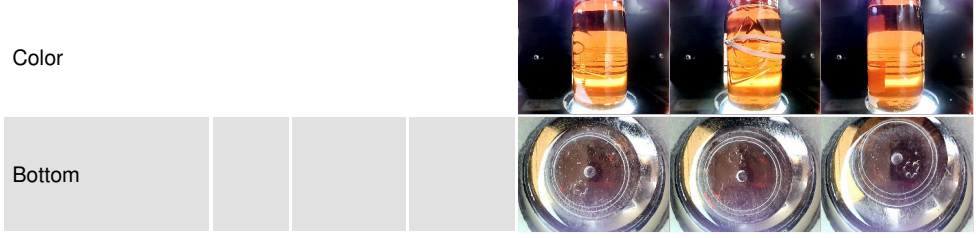
# OIL ANALYSIS REPORT



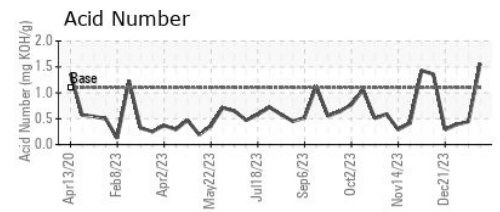
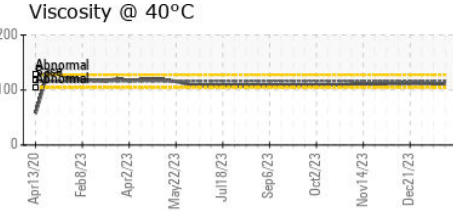
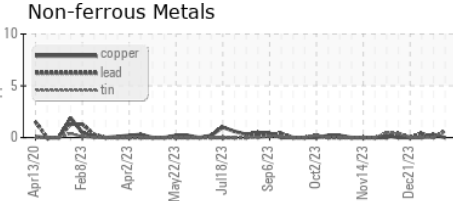
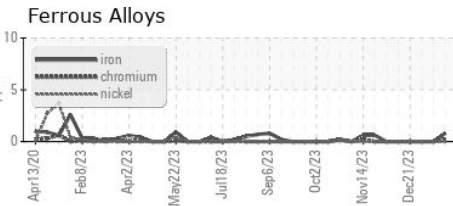
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	116	111.8	111.3
Visc @ 100°C	cSt	ASTM D445	13.4	13.22	13.08
Viscosity Index (VI)	Scale	ASTM D2270	113	114	112

## SAMPLE IMAGES



## GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : WC0760821      Recieved : 30 Jan 2024  
 Lab Number : 06075256      Diagnosed : 02 Feb 2024  
 Unique Number : 10857347      Diagnostician : Jonathan Hester

**EDL NA Recips-Brown County**  
 BROWN COUNTY POWER STATION, 9427 BEYERS RD  
 GEORGETOWN, OH  
 US 45121  
 Contact: MITCHELL BUTLER  
 Mitchell.Butler@edlenergy.com

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)

T:  
F: