

## **OIL ANALYSIS REPORT**

Sample Rating Trend



The oil change at the time of sampling has been noted. We recommend an early resample to

Elemental level of silicon (Si) above normal.

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is

DIAGNOSIS

Recommendation

monitor this condition.

Fluid Condition

The tin level is abnormal.

acceptable for this fluid.

A Wear

## Machine Id SJNM01BE

Biogas Engine

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

SAMPLE INFORM	IATION	method	limit/base	current	history1	histor
Sample Number		Client Info		WC0865716	WC0865733	WC08657
Sample Date		Client Info		09 May 2024	02 May 2024	26 Apr 20
Machine Age	hrs	Client Info		116074	72106	72007
Oil Age	hrs	Client Info		116074	757	655
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				SEVERE	ABNORMAL	ABNORM
CONTAMINATION	J	method	limit/base	current	history1	histor
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method		NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	histor
Iron	ppm	ASTM D5185m	>14	4	4	4
Chromium	ppm	ASTM D5185m	>3	<1	<1	<1
Nickel	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>5	2	2	2
Lead	ppm	ASTM D5185m	>8	4	4	4
Copper	ppm	ASTM D5185m	>5	2	2	2
Tin	ppm	ASTM D5185m	>3	<b>4</b> 5	<u> </u>	4
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	histor
Boron	ppm	ASTM D5185m		2	2	2
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		6	6	6
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		26	25	25
Calcium	ppm	ASTM D5185m		2262	2097	2078
Phosphorus	ppm	ASTM D5185m		394	357	334
Zinc	ppm	ASTM D5185m		435	408	397
Sulfur	ppm	ASTM D5185m		2893	2814	2583
CONTAMINANTS		method	limit/base	current	history1	histor
Silicon	ppm	ASTM D5185m	>180	<b>4</b> 213	<b>1</b> 88	172
Sodium	ppm	ASTM D5185m	>20	0	0	0
Potassium	ppm	ASTM D5185m	>20	3	2	2
INFRA-RED		method	limit/base	current	history1	histor
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624		8.1	7.8	7.8
Sulfation	Abs/.1mm	*ASTM D7415		23.4	22.4	22.3
FLUID DEGRADA	TION	method	limit/base	current	history1	histor
	TION Abs/.1mm	method *ASTM D7414	limit/base	current 20.9	history1 19.3	histor 19.2

Report Id: EDLSOU [WUSCAR] 06177380 (Generated: 05/15/2024 20:58:52) Rev: 1

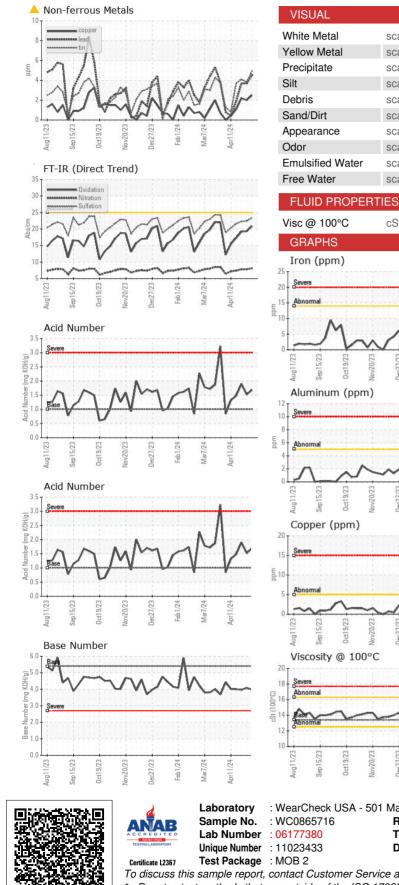
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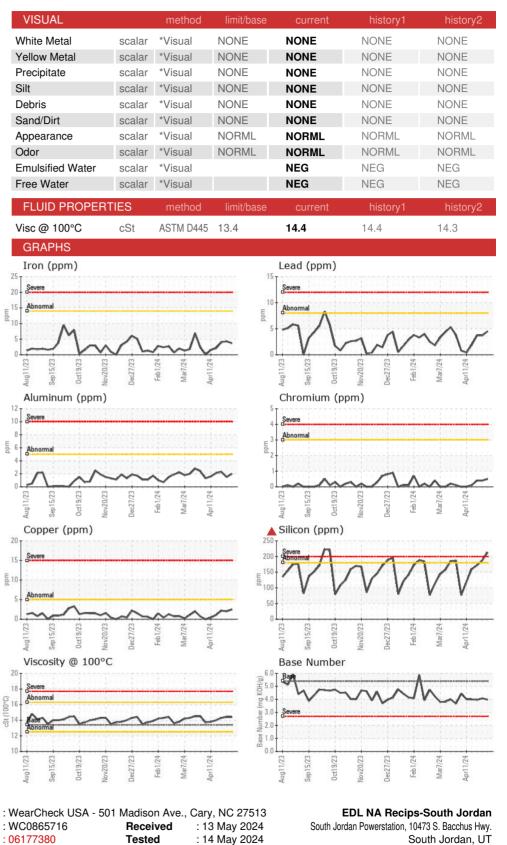
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Submitted By: Aaron Klein



## **OIL ANALYSIS REPORT**





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)

Diagnosed

: 15 May 2024 - Don Baldridge

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Page 2 of 2

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