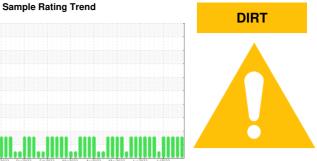


# **OIL ANALYSIS REPORT**





GZJ00314 Component **Biogas Engine** 

PETRO CANADA SENTRON CG 40 (145 GAL)

## **DIAGNOSIS**

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: Total oil added 130 gallons)

### Wear

All component wear rates are normal.

### Contamination

Fuel content negligible. Elemental level of silicon (Si) above normal.

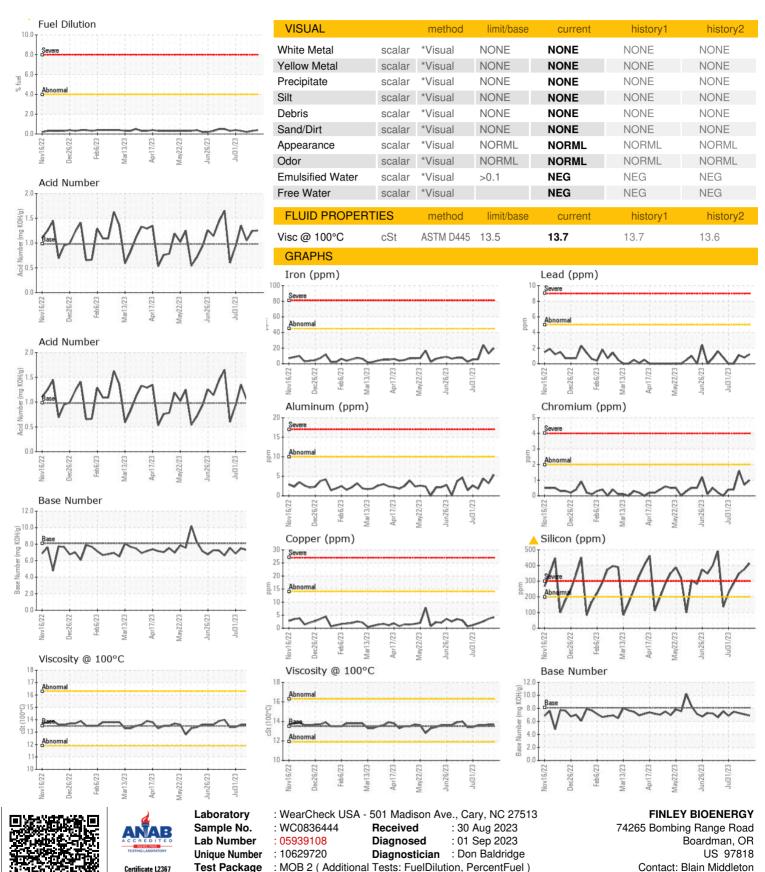
## **Fluid Condition**

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.

1 RON CG 40 (145 GAL)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0836444	WC0836440	WC0836447
Sample Date		Client Info		28 Aug 2023	21 Aug 2023	15 Aug 2023
Machine Age	hrs	Client Info		125317	125153	125019
Oil Age	hrs	Client Info		878	714	585
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>45	20	13	24
Chromium	ppm	ASTM D5185m	>2	1	<1	2
Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>10	5	3	4
Lead	ppm	ASTM D5185m	>5	1	<1	1
Copper	ppm	ASTM D5185m	>14	4	4	3
Tin	ppm	ASTM D5185m	>13	7	7	6
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	1	0	0	1
Molybdenum	ppm	ASTM D5185m	2	<1	<1	<1
Manganese	ppm	ASTM D5185m	1	<1	<1	<1
Magnesium	ppm	ASTM D5185m	9	10	12	11
Calcium	ppm	ASTM D5185m	2712	3138	3204	3243
Phosphorus	ppm	ASTM D5185m	292	298	322	306
Zinc	ppm	ASTM D5185m	342	383	376	389
Sulfur	ppm	ASTM D5185m	2575	3669	4094	3712
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>200	<b>413</b>	<b>▲</b> 376	<b>△</b> 348
Sodium	ppm	ASTM D5185m		0	3	<1
Potassium	ppm	ASTM D5185m	>20	1	0	1
Fuel	%	ASTM D3524	>4.0	0.4	0.3	0.2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	6.5	6.0	6.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9	21.4	21.5
	T1011	mathad	limit/base	OLUKKO 10‡	history1	history2
FLUID DEGRADA	TION	method	IIIIIIVDase	current	Thistory	1113t01 y Z
FLUID DEGRADA Oxidation	Abs/.1mm	*ASTM D7414	>25	15.1	13.5	13.3



## **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)

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