

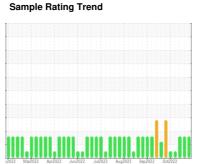
# **OIL ANALYSIS REPORT**



<sup>Machine Id</sup> **2 (S/N GZJ00315)** 

Component
Natural Gas 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 100 gal)

### 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.

RON CG 40 (145	GAL)	2022 Mar20	22 Apr2022 Jun2022	Jul2022 Aug2022 Sep2022	0 d d d d d d d d d d d d d d d d d d d	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0698994	WC0698986	WC0699061
Sample Date		Client Info		28 Nov 2022	16 Nov 2022	08 Nov 2022
Machine Age	hrs	Client Info		114727	114468	114276
Oil Age	hrs	Client Info		679	420	228
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	I	method	limit/base	current	history1	history2
<i>N</i> ater		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	7	3	1
Chromium	ppm	ASTM D5185m	>4	<1	<1	0
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	2	1
₋ead	ppm	ASTM D5185m	>30	1	<1	<1
Copper	ppm	ASTM D5185m	>35	3	2	2
Γin	ppm	ASTM D5185m	>4	5	3	2
/anadium	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	2	2	0
Barium	ppm	ASTM D5185m	1	0	0	0
Molybdenum	ppm	ASTM D5185m	2	2	1	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	9	16	14	15
Calcium	ppm	ASTM D5185m	2712	2937	2841	2873
Phosphorus	ppm	ASTM D5185m	292	299	282	272
Zinc	ppm	ASTM D5185m	342	350	337	323
Sulfur	ppm	ASTM D5185m	2575	3619	3456	3841
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	<u>^</u> 281	<u>▲</u> 192	<u>▲</u> 123
Sodium	ppm	ASTM D5185m		4	4	9
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Fuel	%	ASTM D3524	>4.0	0.3	0.3	0.2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.5	5.6	4.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.2	20.3	17.8
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0	11.3	9.3
	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D8045	>25 0.98	14.0 1.23	11.3 0.97	9.3 0.87



## **OIL ANALYSIS REPORT**





Lab Number

: 05706129

Unique Number: 10240704

Diagnosed Test Package : MOB 2 ( Additional Tests: FuelDilution, PercentFuel )

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)

: 02 Dec 2022 - Don Baldridge

Boardman, OR US 97818

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