

OIL ANALYSIS REPORT



^{Machine Id} **2 (S/N GZJ00315)**

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 83 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.

11011 00 40 (143	- GAL)	y2022 Jun20	22 Jul2022 Aug2022	Sep2022 Oct2022 Dec2022	Jan 2023	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0699084	WC0699079	WC0699077
Sample Date		Client Info		21 Feb 2023	13 Feb 2023	06 Feb 2023
Machine Age	hrs	Client Info		116660	116520	116357
Oil Age	hrs	Client Info		594	454	291
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4	2	3
Chromium	ppm	ASTM D5185m	>4	0	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	1	2
Lead	ppm	ASTM D5185m	>30	<1	2	1
Copper	ppm	ASTM D5185m	>35	2	2	1
Tin	ppm	ASTM D5185m	>4	4	4	3
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	0	0
Barium	ppm	ASTM D5185m	1	0	0	0
Molybdenum	ppm	ASTM D5185m	2	<1	1	1
Manganese	ppm	ASTM D5185m	1	<1	<1	<1
Magnesium	ppm	ASTM D5185m	9	17	17	15
Calcium	ppm	ASTM D5185m	2712	2980	3094	2990
Phosphorus	ppm	ASTM D5185m	292	281	314	288
Zinc	ppm	ASTM D5185m	342	318	382	338
Sulfur	ppm	ASTM D5185m	2575	3518	3701	3837
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	297	<u>^</u> 228	<u></u> 165
Sodium	ppm	ASTM D5185m		2	1	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Fuel	%	ASTM D3524	>4.0	0.3	0.4	0.4
INFRA-RED		method	limit/base	current	history1	history2
INFRA-RED Soot %	%	method *ASTM D7844	limit/base	current 0.1	history1	history2 0.1
	% Abs/cm					
Soot %		*ASTM D7844		0.1	0.1	0.1
Soot % Nitration	Abs/.1mm	*ASTM D7844 *ASTM D7624	>20	0.1 5.8	0.1 5.6	0.1 5.2
Soot % Nitration Sulfation	Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415	>20 >30	0.1 5.8 20.7	0.1 5.6 19.5	0.1 5.2 17.7
Soot % Nitration Sulfation FLUID DEGRADA	Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415 method	>20 >30 limit/base	0.1 5.8 20.7 current	0.1 5.6 19.5 history1	0.1 5.2 17.7 history2



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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)

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