

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 31 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.

RON CG 40 (145 GAL)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0799222	WC0799217	WC0799215
Sample Date		Client Info		12 Jun 2023	05 Jun 2023	30 May 2023
Machine Age	hrs	Client Info		119270	119105	118963
Oil Age	hrs	Client Info		254	89	923
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	3	2	6
Chromium	ppm	ASTM D5185m	>4	<1	<1	1
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Γitanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	<1	0	<1
_ead	ppm	ASTM D5185m	>30	<1	0	0
Copper	ppm	ASTM D5185m	>35	1	<1	3
Γin	ppm	ASTM D5185m	>4	2	<1	5
√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	<1	0	<1
Barium	ppm	ASTM D5185m	1	2	0	0
Molybdenum	ppm	ASTM D5185m	2	<1	<1	<1
Manganese	ppm	ASTM D5185m	1	<1	<1	<1
Magnesium	ppm	ASTM D5185m	9	11	13	13
Calcium	ppm	ASTM D5185m	2712	2806	2813	2975
Phosphorus	ppm	ASTM D5185m	292	268	288	299
Zinc	ppm	ASTM D5185m	342	339	354	353
Sulfur	ppm	ASTM D5185m	2575	3502	3916	4030
CONTAMINANTS	i	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	163	71	437
Sodium	ppm	ASTM D5185m		0	<1	2
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Fuel	%	ASTM D3524	>4.0	0.3	0.3	0.3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	4.4	3.9	5.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.9	15.1	21.4
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Abs/.1mm	*ASTM D7414	>25	10.1	7.9	11.9
Oxidation Acid Number (AN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D8045	>25 0.98	10.1 0.74	7.9 0.64	11.9 1.15



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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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