

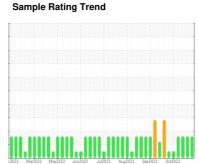
OIL ANALYSIS REPORT



^{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 120 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.

111014 00 40 (140	J GAL)	52022 Mar20	22 May2022 Jun2022	Jul2022 Aug2022 Sep2022	0et2022	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0698989	WC0698994	WC0698986
Sample Date		Client Info		05 Dec 2022	28 Nov 2022	16 Nov 2022
Machine Age	hrs	Client Info		114896	114727	114468
Oil Age	hrs	Client Info		848	679	420
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATIO	N	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	10	7	3
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	3	2	2
Lead	ppm	ASTM D5185m	>30	1	1	<1
Copper	ppm	ASTM D5185m	>35	4	3	2
Tin	ppm	ASTM D5185m	>4	6	5	3
Vanadium	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	2
Barium	ppm	ASTM D5185m	1	0	0	0
Molybdenum	ppm	ASTM D5185m	2	2	2	1
Manganese	ppm	ASTM D5185m	1	<1	<1	<1
Magnesium	ppm	ASTM D5185m	9	14	16	14
Calcium	ppm	ASTM D5185m	2712	3375	2937	2841
Phosphorus	ppm	ASTM D5185m	292	313	299	282
Zinc	ppm	ASTM D5185m	342	411	350	337
Sulfur	ppm	ASTM D5185m	2575	4450	3619	3456
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4 397	<u>^</u> 281	▲ 192
Sodium	ppm	ASTM D5185m		5	4	4
Potassium	ppm	ASTM D5185m	>20	1	<1	0
Fuel	%	ASTM D3524	>4.0	0.2	0.3	0.3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.6	6.5	5.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.0	23.2	20.3
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.1	14.0	11.3
Acid Number (AN)	mg KOH/g	ASTM D8045	0.98	1.41	1.23	0.97
Base Number (BN)	mg KOH/g	ASTM D2896	8.1	5.78	4.71	7.10



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Unique Number: 10246371

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.

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)