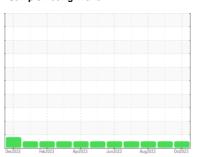


## **OIL ANALYSIS REPORT**

#### **Sample Rating Trend**



NORMAL



# Watkins 1

Component

**Natural Gas Engine** 

PETRO CANADA SENTRON LD 3000 (--- GAL)

### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

#### **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.

AL)		Dec2022	Feb2023 Apr2023	Jun2023 Aug2023	Oct2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0103460	PCA0103452	PCA0092121
Sample Date		Client Info		02 Oct 2023	05 Sep 2023	03 Aug 2023
Machine Age	hrs	Client Info		97707	97055	96275
Oil Age	hrs	Client Info		2310	1658	878
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	6	7	6
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	0	1	1
Lead	ppm	ASTM D5185m	>30	1	1	1
Copper	ppm	ASTM D5185m	>35	1	<1	1
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	1	0	0	0
Molybdenum	ppm	ASTM D5185m	2	2	<1	1
Manganese	ppm	ASTM D5185m	1	<1	<1	<1
Magnesium	ppm	ASTM D5185m	5	11	11	15
Calcium	ppm	ASTM D5185m	1220	1370	1523	1508
Phosphorus	ppm	ASTM D5185m	298	274	296	298
Zinc	ppm	ASTM D5185m	350	358	362	354
Sulfur	ppm	ASTM D5185m	1995	2835	3117	3035
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	12	14	15
Sodium	ppm	ASTM D5185m		0	2	2
Potassium	ppm	ASTM D5185m	>20	3	2	4
Fuel	%	ASTM D3524	>4.0	0.1	0.1	0.2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	4.9	4.8	4.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.5	16.1	14.7
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	9.9	9.5	8.5
Acid Number (AN)	mg KOH/g	ASTM D8045	0.86	0.89	0.72	0.54
Base Number (BN)	mg KOH/g	ASTM D2896	3.85	3.85	3.49	4.97
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## **OIL ANALYSIS REPORT**







Laboratory Sample No. Lab Number

**Unique Number** 

: 05977777 : 10695072

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Oct 2023 : PCA0103460 Diagnosed

: 16 Oct 2023 Diagnostician : Wes Davis

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)

**ENERVEST OPERATING - WATKINS** 

3896 SUNSET HOLLOW ROAD GRUNDY, VA

US 24614

Contact: Service Manager

T: F: