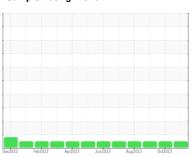


## **OIL ANALYSIS REPORT**

#### Sample Rating Trend



NORMAL



# Watkins 1

Component

**Natural Gas Engine** 

PETRO CANADA SENTRON LD 3000 (--- GAL)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

Tests indicate that there is no fuel present in the oil. 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.

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0103431	PCA0103460	PCA0103452
Sample Date		Client Info		01 Nov 2023	02 Oct 2023	05 Sep 2023
Machine Age	hrs	Client Info		98422	97707	97055
Oil Age	hrs	Client Info		3025	2310	1658
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	4	6	7
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	<1	0	1
Lead	ppm	ASTM D5185m	>30	<1	1	1
Copper	ppm	ASTM D5185m	>35	0	1	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	0
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	5	0	0	0
Barium	ppm	ASTM D5185m	1	0	0	0
Molybdenum	ppm	ASTM D5185m	2	0	2	<1
Manganese	ppm	ASTM D5185m	1	<1	<1	<1
Magnesium	ppm	ASTM D5185m	5	13	11	11
Calcium	ppm	ASTM D5185m	1220	1466	1370	1523
Phosphorus	ppm	ASTM D5185m	298	279	274	296
Zinc	ppm	ASTM D5185m	350	360	358	362
Sulfur	ppm	ASTM D5185m	1995	2549	2835	3117
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	10	12	14
Sodium	ppm	ASTM D5185m		<1	0	2
Potassium	ppm	ASTM D5185m	>20	1	3	2
Fuel	%	ASTM D3524	>4.0	0.0	0.1	0.1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	5.0	4.9	4.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.1	16.5	16.1
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	10.5	9.9	9.5
Acid Number (AN)	mg KOH/g	ASTM D8045	0.86	0.83	0.89	0.72
Base Number (BN)	mg KOH/g	ASTM D2896	3.85	2.83	3.85	3.49



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: PCA0103431 : 06010264 : 10749408

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Nov 2023 Diagnosed : 20 Nov 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: