

***LYCOMING***

A Textron Company

N444VC

BEGINNING

2/21/2007

ENGINE LOG

SSP-1872-1

**LYCOMING**

A Textron Company

652 Oliver Street  
Williamsport, PA 17701 U.S.A.  
570/323-6181

# ENGINE LOG AND MAINTENANCE RECORD

RECORD OF LYCOMING

MAKE

MODEL

SERIAL

FROM \_\_\_\_\_ 20 \_\_\_\_\_ TO \_\_\_\_\_ 20 \_\_\_\_\_

DETAILING TIME FROM \_\_\_\_\_ TO \_\_\_\_\_

HOURS

HOURS

**SSP-1872-1**

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**October 1994**

# SERVICEABLE PART

Manufacturer LYCOMING ENGINES  
Part Name AIRCRAFT ENGINE  
Model No. IO-540-AB1A5  
Serial No. L - 27956-48E  
Remarks \_\_\_\_\_  
\_\_\_\_\_

The aircraft engine or accessory identified above was:

**Overhauled**

and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the work performed are on file at  
Lycoming Engines under order no: MT285845

Signed [Signature] Date 12-21-08

Signature of Authorized Person

FOR: **LYCOMING**

A Textron Company

652 Oliver Street  
Williamsport, PA 17701 USA

FAA Repair Station #EJ1R115K

Form 302A (3/04-LM)

# ENGINE DESCRIPTION

**LYCOMING**

A Textron Company

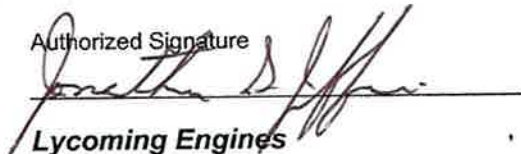
652 Oliver Street  
Williamsport, PA, 17701 U.S.A.

Form No. 2480 (3/04-LM)

This engine has been overhauled in accordance with the applicable Lycoming specifications. All applicable Federal Aviation Administration Airworthiness Directives and Lycoming Service Bulletins have been complied with. All parts have been inspected and have been determined airworthy to return to service. All accessories as part of the type certificate are new, newly rebuilt or newly overhauled. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Engine Model: **IO-540-AB1A5**  
Serial #: **L-27956-48E**  
Total Time: **1013.7**  
Work Order #: **MT285845**  
Date Completed: **12-21-04**

Authorized Signature

  
**Lycoming Engines**

652 Oliver Street  
Williamsport, PA, 17701  
Repair Station: EJ1R115K

Cu. In.

0.

# ENGINE LOG

Serial No. \_\_\_\_\_

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			



**Montgomery Aviation, Ltd.**  
7940 Airpark Road, Gaithersburg, MD 20879  
301-977-5200

AIRCRAFT NUMBER: N444VC SERIAL NUMBER: L-27956-48E DATE: 2/21/07 TACH: 2180.4 TOTAL TIME: 1013.7

1. Removed original engine. Installed accessories, prepared engine for installation and installed this engine, newly overhauled propeller (East Coast Propeller Service, WO# ER-5958, and propeller governor (New England Propeller Service, WO# CR-33352) in Cessna 182S, S/N 18280483. Details are found Shop Order # 10839.
2. All work performed IAW applicable Lycoming and Cessna service and installation instructions for this model and FAA AC 43-13-1B as appropriate.

  
William A. Hughes 076308128 A&P, IA

			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
			Brought Forward	
			Total to Date	

# ENGINE LOG

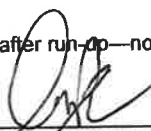
Serial No. \_\_\_\_\_

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			

Montgomery Aviation, Ltd.  
7940 Airpark Road, Gaithersburg, MD 20879  
301-977-5200

**ENGINE MAKE:** Lycoming **MODEL:** IO-540-AB1A5 **SERIAL NUMBER:** L-27956-48E  
**AIRCRAFT NUMBER:** N444VC **DATE:** 03/12/07 **TACH:** 2205.2 **TOTAL TIME:** 1038.5 **SMOH:** 24.8

1. Removed, inspected, cleaned, gapped, tested and reinstalled lower spark plugs using new or newly annealed gaskets.
2. Drained oil and refilled with 9 qts. of Aeroshell 100 Straight Mineral Oil.
3. Removed, drained, opened and inspected oil filter. No unacceptable contents found.
4. Installed new CH48110-1 oil filter using Dow Corning 4 lubricant.
5. Inspected exhaust system for leaks, found none at this time.
6. Performed ground run-up and found to be satisfactory. Checked for leaks after run-up — none observed.

  
Heung Taeg Oh 2857158 A&P

Total to Date

Certificate Number MUST be Shown.

# ENGINE LOG

Serial No. \_\_\_\_\_

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			

Montgomery Aviation, Ltd.  
7940 Airpark Road, Gaithersburg, MD 20879  
301-977-5200

**ENGINE MAKE:** Lycoming **MODEL:** IO-540-AB1A5 **SERIAL NUMBER:** L-27956-48E  
**AIRCRAFT NUMBER:** N444VC **DATE:** 03/23/07 **TACH:** 2230.4 **TOTAL TIME:** 1063.7 **SMOH:** 50.0

1. Removed, inspected, cleaned, gapped, tested and reinstalled lower spark plugs using new or newly annealed gaskets.
2. Drained oil and refilled with 9 qts. of Aeroshell W 15W50 oil.
3. Removed, drained, opened and inspected oil filter. No unacceptable contents found.
4. Installed new CH48110-1 oil filter using Dow Corning 4 lubricant.
5. Inspected exhaust system for leaks, found none at this time.
6. Performed ground run-up and found to be satisfactory. Checked for leaks after run up—none observed.

  
\_\_\_\_\_  
Heung Taeg Oh 2857158 A&P


brought forward

Total to Date

Certificated mechanic, and his rating and  
Certificate Number MUST be Shown.

# ENGINE LOG

Serial No. \_\_\_\_\_

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
8/10/07			2308.5 SMOH 128.1		
			Compression #1 $7\frac{1}{80}$ #2 $7\frac{1}{80}$ #3 $7\frac{1}{80}$ #4 $7\frac{1}{80}$ #5 $7\frac{1}{80}$ #6 $7\frac{1}{80}$		
			Cleaned + rotated spark plugs. Checked mag. timing.		
			Changed oil + filter. (Acrosshell 15w50 oil.)		
			AD 2002-26-01 Fuel Injection Lines C/w by insp.		
			Run-up + leak check OK		
			I certify that this engine has been inspected in accordance with an Annual inspection and was found to be in an Airworthy condition		
			 A+P 1546718 IA		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

# ENGINE LOG

Serial No. \_\_\_\_\_

**SPECTRUM**  
AVIATION

4029 Airport Road, Suite 300 Lexington, KY 40510 859-255-1902

## Engine Log Book

Date: 05/21/08  
Reg No: 444VC

Aircraft: 182S  
Hobbs: 2620.3

Work Order: 3231  
Serial No: 18280483  
Tach: 2333.4

Changed engine oil, serviced with Aeroshell 15W50 Engine Oil. Replaced Oil Filter with new Champion CH48110-1.  
Cut open old filter and no particles were found.  
Replaced EGT Thermocouple Probe with new Probe, part # 86317.  
Leak and ops checked good on Engine Run.

The aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: 05/21/08

Signed

*Rowen W. Barnett*  
AP 2781459

			Brought Forward
			Total to Date

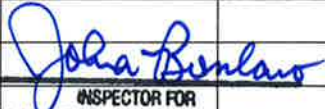
All repair data must bear the endorsement of a  
Certificated Mechanic, and his Rating and  
Certificate Number MUST be Shown.

# ENGINE LOG

N444VQ

Serial No. \_\_\_\_\_

Number


Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	L Number
	Hrs	Min			
6-16 2008			DRAIN OIL, ADD 9 qts 15W50 Shell - R/R oil Filter - Clean		
TACH	2342.4		Grp Plug's - Comp Check # 1 7/80 # 2 7/80 # 3 7/80 # 4 7/80		
TT	1175.7		# 5 7/80 # 6 7/80 CW AD 2008-08-14 VISUAL + Check For		
TSOVIH	162.0		Loosevers ok DUC 2392.4 - CW AD 2002-26-01 VISUAL		
			Fuel Lines + Champs due 2442.4 - INSTALL new oil cooler		
			Hose's (2) + new MAIN Fuel Hose - new MAIN Air Filter		
			P 198290 DUC 2442.4 Pw AD 84-26-02		
			SERVICE		
				 INSPECTOR FOR RICK AVIATION, INC. CRS #MR104E NEWPORT NEWS, VA	
			Page Total		
			Brought Forward		
			Total to Date		

All Repair Data Must Bear the Endorsement of a  
 Certificated Mechanic, and his Rating and  
 Certificate Number MUST be Shown.



# ENGINE LOG

Serial No. \_\_\_\_\_

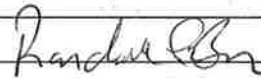
Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS <i>N444VC</i>	Signature	License Number
	Hrs	Min			
			<p>FORM RAI-12</p> <p><i>6-16-08</i> <i>2342.4</i> <i>1195.7</i> <i>2342.4</i> <i>m10248</i></p> <p>DATE _____ AC FT _____ ENG TT _____ PROP TT _____ W.O. # _____</p> <p>I CERTIFY THAT THIS (AIRCRAFT, ENGINE, PROPELLOR, OR APPLIANCE) HAS BEEN INSPECTED IN ACCORDANCE WITH A <u><i>Annual</i></u> INSPECTION AND WAS DETERMINED TO BE AIRWORTHY AND APPROVED FOR RETURN TO SERVICE.</p> <p></p> <p>INSPECTOR FOR  <b>RICK AVIATION, INC. CRS #MR104F</b>            NEWPORT NEWS, VA</p>		
			Page Total	<p>All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.</p>	
			Brought Forward		
			Total to Date		



# ENGINE LOG

Serial No. \_\_\_\_\_

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
03/09 2009	TACH	2404.1	DRAINED oil removal AND Replaced oil FILTER. ADDED 9 Quarts Aeroshell 15W-50. RAN engine. o/s + Leak check Good.		

  
 INSPECTOR FOR  
**RICK AVATION, INC. CRS#AVR104F**  
 NEWPORT NEWS, VA

			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
			Brought Forward	
			Total to Date	

Blue Ridge Airport Authority  
525 Airport Rd. Martinsville VA, 24112  
(276) 957-2291 Fax (276) 957-2292

**Engine** Date: 07/02/2009 Tail Number: N444VC Aircraft Make/Model: Cessna 182S  
Aircraft TT: 2454.6 Aircraft S/N: 18280483 Hobbs: 2759.6 Tach: 2454.6 Engine TSOH: 274.2  
Engine TT: 1287.9 Engine Make: Lycoming Engine Model: IO-540-AB1A5 Engine S/N: L-27956-48E

**Service performed:** Replaced #6 lower spark plug with one new REM38E. Cleaned, gapped, tested, installed and torqued all spark plugs using new M-674 gaskets. Performed differential compression test per Lycoming SI 1191A, #1 76/80, #2 74/80, #3 72/80, #4 72/80, #5 75/80, #6 74/80. Replaced oil in engine with 9 quarts of Aeroshell 15W50. Replaced oil filter with one new ES48110-1, torqued and safetied. Cut open old filter and no contaminants were found. C/W **AD2009-02-03** amendment number 39-15793 dated February 9, 2009 by replacement of gasket with new P/N: 2577258, and stamping "G" on plug I/A/W Precision Airmotive MSB No. PRS-107 R. 4. No further action is required. C/W **AD2008-14-07** amendment number 39-15602 dated August 14, 2008 by visual inspection of engine fuel lines and supports, no defects were noted. C/W **AD2004-10-14 C1** amendment number 39-13644 dated June 25, 2009 and no known prop strike was found at this time. I certify this engine was serviced and inspected I/A/W a **100 Hour** inspection. All work listed above was performed I/A/W Lycoming IO-540 Maintenance Manual, found to be in an airworthy condition and is approved for return to service.



Michael B Smith A&P409570064IA

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