

10-0513

6-79



The Standard

ENGINE LOG

100-001-1

Engine Record General Information

Manufacturer Textron Lycoming

Serial RL-20095-48A

Model IO-540-K1G5D

This engine is currently installed in aircraft N39478

Type Certificate _____

Minimum Octane Fuel _____

Oil Grade: Summer _____

Winter _____

Magneto Time _____

Point Setting _____

Firing Order _____

Spark Plug Gap _____

Manufacturer recommended overhaul at _____

hours

Classic Aviation, LLC
Shenandoah Valley Regional Airport
Weyers Cave, VA 24486

N39478

W/O # 11032201

Date 03/30/2011

Hourmeter 157.3

Tach 3416.4

A/CTT 3416.4

ENGINE LOG

ENG TT 1466.0 SMOH _____

Drained oil, removed and cut filter; no defects noted. Installed new oil filter, P/N CH48103-1 and serviced engine with 11 qts. Aeroshell 15W50. Cleaned and reinstalled oil suction screen. Compression check : 1)72 2)71 3)75 4)75 5)71 6)72. Checked magneto to engine timing. Cleaned, gapped, tested and rotated spark plugs. C/W AD 08-14-07 Fuel injector lines: Inspected fuel injector lines per SB342E; no defects noted. Next due 3516.4 ACTT or after any fuel injector line work. Ground run normal. No leaks noted.

Completed inspection this date in accordance with Piper PA 32RT-300 maintenance manual and inspection report. I certify that this Engine has been inspected in accordance with a 100 Hour Inspection and was determined to be in airworthy condition.

Signed _____

Classic Aviation, LLC

Dean Showalter

A&P # 3126788

YEAR:

R/
T/
T/

DATE

**LANDMARK**
AVIATION

CRS# H00R564Y

100 Aviation Drive, Suite 100
Charlottesville, VA 22911
Tel (434) 978-1474

N#:39478

WO#:S12-11-00-1005

DATE:07-22-2011

TT:3487.6

MOD:PA32RT

S/N:32R.7885221

Ran engine to operating temperature. Drained oil and removed oil filter. Checked filter for metal, none found. Installed new CH48103-1 oil filter. Serviced engine with 12 quarts of Aeroshell 15W-50. Checked Air Conditioning Freon pressures and added 12ounces of Freon R12 to system IAW Piper PA32 AC maintenance manual. Ran engine, leak checks and AC operation satisfactory.
The aircraft - Airframe - Engine - Propeller - or Appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was approved for return to service. Pertinent details of this repair are on file at this agency under the work order identified above.

Lawrence I Simpkins
Authorized Signature

CRS # H00R564Y

Form LB-1

YEAR:

DATE

CAPITAL AVIATION INST. & AVIONICS 10660 AVIATION LANE MANASSAS, VA 20110 OY1R391K

LOG ID# 8366 09-May-2012 WO# 43815 CA 11 AC TT 3538.9 HOBBS 293.4

N39478 S/N 32R-7885221 PIPER PA-32RT-300 TSMOH 1588.5

Prop TSN 1588.5

Pg 1 / 1

Lycoming IO-540-K1G5D SN RL-20095-48A Eng TSO: 1588.5

Complied with an Annual Inspection using Piper PA-32RT-300 inspection checklist. Reviewed AD's thru issue 2012-08. Compressions 1) 72/80, 2) 74/80, 3) 72/80, 4) 78/80, 5) 71/80, 6) 72/80. Drained sump & removed old filter, opened old filter & inspected - no defects noted. Installed new CH48103-1 filter and serviced with 12 quarts 15W50 Aeroshell. Cleaned, gapped and tested spark plugs, rotated same on installation. Installed new Brackett induction filter element PN BA-3 IAW Brackett instructions I-194. Replaced #1 & #3 rocker box cover gaskets. Removed prop and replaced crankshaft seal IAW Lycoming MSB645, reinstalled prop IAW STC SA1791GL & Hartzell Manual 115N. Removed mag PN BL-682560-13 SN G05AA017R for repair and AD compliance, reinstalled same mag after overhaul by Aircraft Magneto Service (ref their WO 4511), complied with TCM SB 651 by installation of new capacitors PN 10-382681. Installed mag and timed IAW TCM OM section 4, ground run ops checked good. Complied with AD 2005-12-06, Bendix mag impulse coil. recurring inspection IAW TCM MSB 645 at mag overhaul 4/25/12, next due 4038.9 AFTT. Complied with AD 2011-26-04 by visual inspection, no defects noted, next insp due 3638.9 AFTT or anytime injection lines are disturbed.

Ground runs leak & op checks were satisfactory.

I certify this engine has been inspected in accordance with an annual inspection and determined to be in airworthy condition.

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER THE ABOVE WORK ORDER.


CRS OY1R391K TODD SOMMERS

Repair

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RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
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Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

CAPITAL AVIATION INST. & AVIONICS 10660 AVIATION LANE MANASSAS, VA 20110 OY1R391K
LOG ID# 8376 10-May-2012 WO# 43815/22 CA 11 AC TT 3538.9 HOBBS 293.4
N39478 S/N 32R-7885221 PIPER PA-32RT-300 TSMOH 1588.5

Pg 1 / 1

Determined AD 2012-03-06 to be N/A to fuel servo Model RSA-10ED1 SN 70133201, records review determined no fuel servo removal or repair after date (5/10/10) specified in AD.

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER THE ABOVE WORK ORDER.

Woodrow L. Mowry
CRS OY1R391K WOODROW L. MOWRY

YEAR

DATE

CHECKED OR COMPLIED WITH THE FOLLOWING
AIRWORTHINESS DIRECTIVES AND THE REFERENCED

Inspe
man
Inspe

Technician or Repair

YEAR

DATE



LANDMARK
AVIATION

CRS# H00R564Y

100 Aviation Drive, Suite 100
Charlottesville, VA 22911
Tel (434) 978-1474

N#: 39478
WO#: S12-13-01761
DATE: 05/17/2013
TT: 3565.7
MOD: IO-540-K1G5D
S/N: RL-20095-48A

or Repair

Completed an **Annual/100 inspection** in accordance with Piper PA32RT-300 maintenance manual inspection guide. Drained the oil and removed the filter, inspected the filter element for metal, none noted. Installed new filter p/n CH48103-1 and secured. Serviced the engine with 12 qts of Aeroshell 15W-50. Compressions were: #1 74/80 #2 70/80 #3 72/80 #4 73/80 #5 74/80 #6 72/80. Cleaned, gapped and tested all spark plugs, reinstalled with new gaskets. Replaced Induction filter p/n BA-3 off/on. Checked the magneto to engine timing. Complied with **AD2011-26-04** by visual inspection IAW Lycoming Engines MSB 342F, no defects noted. This **AD2011-26-04** is due again at tach 3665.7 or after any work is performed on the fuel injector system. **AD2012-19-01** is N/A due to serial number of engine. Checked idle and mixture settings. Performed a ground run for a leak and operational check, no defects noted.

All AD's checked thru 05-2013. All work was done in accordance with Piper PA32RT-300 Maintenance Manual and Lycoming manual. I certify this engine has been inspected in accordance with an Annual inspection and determined to be in an airworthy condition.

The aircraft - Airframe - Engine - Propeller - or Appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was approved for return to service. Pertinent details of this repair are on file at this agency under the work order identified above

Daniel Little
Authorized Signature

CRS#H00R564Y

Form LB-1

YEAR:

DATE

**LANDMARK
AVIATION**

CRS# H00R564Y

Repair

100 Aviation Drive, Suite 100
Charlottesville, VA 22911
Tel (434) 978-1474

N#:39478

WO#:S12-13-02051

DATE:12-04-2013

TT:3593.51

MOD:IO540-K1G5D

S/N:RT-20095-48A

Ran engine to operating temperature. Drained oil and removed oil filter. Checked filter for metal, none found. Installed new filter p/n CH48103-1 and secured. Serviced engine with 12 quarts of Aeroshell 15W-50. Installed missing lock nut p/n MS21045-6 on Alternator bracket and tightened remaining hardware. Ran engine, leak and operation check good. All maintenance done in accordance with Piper PA32RT-300 and Lycoming maintenance manuals.

The aircraft - Airframe - Engine - Propeller - or Appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was approved for return to service. Pertinent details of this repair are on file at this agency under the work order identified above.

Daniel Little

CRS # H00R564Y

Authorized Signature

Form LB-1

r Repair

YEAR:

DATE

**LANDMARK**
AVIATION

100 Aviation Drive, Suite 100
Charlottesville, VA 22911
Tel (434) 978-1474

CRS# H00R564Y

N#: 39478
WO#: S12-14-02125
DATE: 02/13/2014
TT: 3594.39
MOD: IO-540-K1G5D
S/N: RL-20095-48A

Repair

Completed an **Annual/100 inspection** in accordance with Piper PA32RT-300 maintenance manual inspection guide. Drained the oil and removed the filter, inspected the filter element for metal, none noted. Installed new filter p/n CH48103-1 and secured. Serviced the engine with 12 qts of Aeroshell 15W-50. Compressions were: #1 72/80 #2 74/80 #3 74/80 #4 78/80 #5 74/80 #6 78/80. Cleaned, gapped and tested all spark plugs, reinstalled with new gaskets. Replaced induction filter p/n BA-3 off/on. Checked the magneto to engine timing. Complied with **AD2011-26-04** by visual inspection IAW Lycoming Engines MSB 342F, no defects noted. This **AD2011-26-04** is due again at tach **3694.3** or after any work is performed on the fuel injector system. Checked Idle and mixture settings. Performed a ground run for a leak and operational check, no defects noted.

All AD's checked thru 02-2014. All work was done in accordance with Piper PA32RT-300 Maintenance Manual and Lycoming manual. I certify this engine has been inspected in accordance with an Annual inspection and determined to be in an Airworthy Condition. OK for return to service.

The aircraft - Airframe - Engine - Propeller - or Appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was approved for return to service. Pertinent details of this repair are on file at this agency under the work order identified above

Daniel Little

Authorized Signature

CRS#H00R564Y

Form LB-1



Oracle Aviation, LLC
12916 Millard Airport Plaza
Omaha, NE 68137

www.oracleaviation.com
tim.duffy@oracleaviation.com
402.934.5300

Make	Model	S/N	Tail #	TT/TT	Date
Piper	PA-32RT-300	32R-7885221	N39478	3762.23	4/01/2015

C/W 100HR Inspection IAW CFR 14 part 43 Appendix D. C/W AD2011-6-04 Fuel line Inspection next due 3862.23
Compression check as follows: 1)78/80 2) 76/80 3) 74/80 4) 78/80 5) 72/80 6)

78/80 Installed new prop governor gasket P/N 10-01962, Installed new engine quick drain P/N 05-03061 installed new spark plug

RHM38-E Drained engine oil changed filter, installed new filter P/N

AA48103-2 serviced engine with 10 QTs Aeroshell W15W-50.

Checked Fuel Screens Ground run and leak check satisfactory

I certify this engine has been inspected in accordance with an 100Hr inspection was found to be in an airworthy condition.

Mark Whitney IA 3491353

Oracle Aviation LLC
12916 Millard Airport Plaza
Omaha, NE 68137

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402.934.5300



Tail #	Tach	Date
N39478	3794.8	9/28/15

Changed oil with 12qts of 15W-50 Aeroshell, new AA48103-2 filter. Run up check good no leaks. Aircraft is approved for return to service.

Barry D. Daniels II

A&P 3439929

Oracle Aviation LLC
12916 Millard Airport Plaza
Omaha, NE 68137



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402.934.5300

return to service.

Barry D. Daniels II



A&P 3439929

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12916 Millard Airport Plaza

Omaha, NE 68137



www.oracleaviation.com

402.934.5300

Tail #	Tach	SMOH	Date
N39478	3847.2		12/9/15

Changed oil with 12 qts of 15W-50 Aeroshell oil, new AA48103-2 filter. Run up check good no leaks. Aircraft is approved for return to service.

Scott Graves



A&P 508967630

Oracle Aviation LLC

12916 Millard Airport Plaza

Omaha, NE 68137



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402.934.5300

Tail #	Tach	SMOH	Date
N39478	3888.2	1937.0	1/27/16

Changed oil with 12qts of Aeroshell 15w-50 oil, New 48103-2 filter. Run up check good no leaks. Aircraft is approved for return to service.

Scott Graves

A&P 508967630



cian or Repair