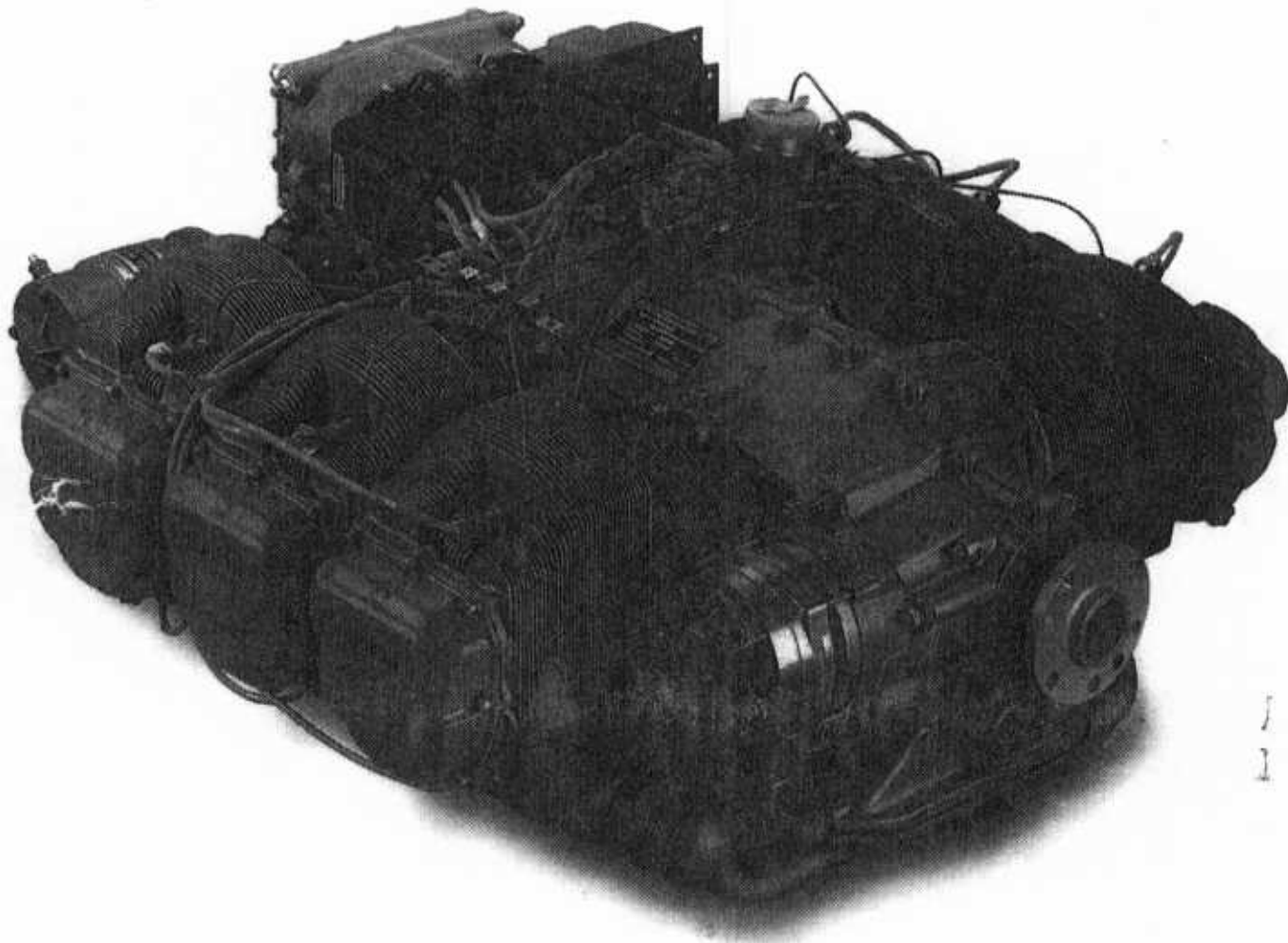


ENGINE LOG BOOK



Teledyne Continental Motors, Inc.

PRESSURE ON THIS ENGINE WAS
ADJUSTED DURING THE ENGINE ACCEPTANCE
TEST AT THE FACTORY. ONLY MINOR
ADJUSTMENTS MAY BE NECESSARY TO
ASSURE THE PROPER INDICATION ON
THE COCKPIT GAUGE.

FACTORY SETTINGS:

RPM 2434 OIL TEMP 199 OIL PRESSURE 47.8
OIL PRESSURE PICK UP POINT: MAIN OIL GALLERY
BETWEEN #2 AND #4 CYLINDERS

655305

Testing Completed

Standard Acceptance Test:

Date of Completion 4-30-07 Test Operator _____



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

**USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Printed: 05-01-2007

This engine model 0470U18 Serial No. 834430-R was manufactured on 03-23-2007
by Teledyne Continental Motors in accordance with approved design data and the applicable requirements
of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all
changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

SEE W/O. OVP
ACCORDANT

1 STARTER

646238-2

To be used



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Engine Component Information Sheet

Printed: 05/01/2007

Serial: 834430
Spec: 0470U18B
New/Rebuilt: (REBUILT)

Assembled: 03/08/2007
Shipped:
Packed: 05/01/2007

Customer Name: AIR POWER, INC
Shipping Address:

| Component | Serial Number |
|------------|------------------------|
| AMSHAFT | Z07AA361 |
| RANKSHAFT | N07AA131 |
| RANKCASE | R06KA040 |
| ONNROD | AE07AB639 |
| ONNROD | AE07AB627 |
| ONNROD | AE07AB646 |
| ONNROD | AE06LC203 |
| ONNROD | AE07AB623 |
| ONNROD | AE07AB651 |
| MAGNETO | F07CA004R |
| MAGNETO | F07BA194R |
| ARBURETOR | 75A35209 |
| ARTER | 06 341 0074 |
| IL COOLER | J06-4777-318 |
| LINDER-1 | AC07AA352 |
| LINDER - 2 | AC07AA308 |

| Component | Serial Number |
|--------------|---|
| CYLINDER - 3 | AC07AA360 |
| CYLINDER - 4 | AC05JA402 |
| CYLINDER - 5 | AC07AA361 |
| CYLINDER - 6 | Removed 07/25/2012 |
| PSTN WGT | Installed S/N AC12CA348 WJ S/N H-12CH57V |

Removed 9/14/2012.

Installed F126AO45R

Removed 09/14/2012

Installed F12GA020R

Removed 12/05/2013

Installed S/N H-F-131146

P/N:10-5284-1--F

LOT:BU51

S/N:75A35209

DATE:27-Apr-07

CARB

ack Inspection Stamp



All of the information provided herein is subject to verification by the user. Teledyne Continental Motors, Inc. makes no representation or warranty concerning the accuracy or completeness of the information and assumes no responsibility with respect thereto.

| Date | Total Time | | Time Since Last Overhaul | | Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspection Modifications and Service Bulletins |
|--|--------------|------------|--------------------------|------------|--|
| | Hrs. | Min. | Hrs. | Min. | |
| 9/29/2004 829-08 IN ORIGINAL LOGBOOK | | | | | Engine Installed on ACFT N4229F at 12,225.0 hrs. air frame time. A.P.I. J.A. [Signature] 459069890 |
| 10-1-08 | Hobbs 1933.4 | Tach 131.0 | AFTT 12230.0 | Eng. 5.0 | 5 HK. oil change Required For Engine Break-in Period. 3135772 A.P. [Signature] |
| 10-10-08 | Hobbs 1957.0 | Tach 152.9 | AFTT 12251.9 | Eng. 26.9 | 25 HK Oil Change Required For Engine Break-in Period. Replaced oil filter with CH 48109-1. Drained and serviced with Mobil Mineral SAE 50 oil. 3135772 A.P. [Signature] |
| 10-22-08 | Hobbs 1982.0 | Tach 177.9 | AFTT 12276.9 | Eng. 51.9 | C/W 100hr Insp. J.A.W. Cessna model 182A782 Series Service Manual. Drained & serviced with 12 qts 100wplus oil. Replaced oil filter with new, pin CH 48109-1. Eng. Compression (K-Cyl A1) 68psi A2) 64psi A3) 74psi A4) 68psi A5) 64psi A6) 60psi. Engine Break-in oil not required. MOC Insp. OK. NO oil leaks. Found. I certify this aircraft Engine has been inspected J.A.W. 100hr Inspection and is determined to be in airworthy condition. [Signature] A.P. [Signature] |
| 12-12-08 | Hobbs 2088.5 | Tach 228.8 | AFTT 12327.8 | Eng. 102.8 | PERFORMED 50 HR INSPECTION. IAW Cessna 182 series manual. Drained oil and RE-SERVICED with 11 qts 100 plus oil. REPLACED oil filter CH 48109-1. Replaced AIR FILTER. REPLACED PROPELLER GOVERNOR PN 2106 SN-2165740 AA. ADJUSTED RPM. RATTOR GOVERNOR RETURNED ACFT to service. A.P. Required MOC. I certify this engine has been inspected IAW 50 HR inspection checklist and was found to be AIRWORTHY. [Signature] 4546689 A.P. |
| 1-21-09 | Hobbs 2093 | Tach 278.6 | TAT 15393 | SMOB 168.0 | Complied with 100hr Insp. IAW Cessna 182P inspect. Guide. Glow Plug Compression Test 092 065 074 070 065 076. Glow Eng oil and Filter change installed New oil Filter CH 48109-1 and serviced Eng. with 11 qts of Arco shell 100 w plus oil. Induction Air Filter Inspected and Found OK. Spark Plugs Cleaned and Regapped and Reinstalled. I certify that this eng. inspected IAW 100hr Insp and Determined Airworthy. 454548521 E.P. [Signature] |

| Date | Total Time | | Time Since Last Overhaul | | Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins |
|-----------------|------------|-------|--------------------------|-------|---|
| | Hrs. | Min. | Hrs. | Min. | |
| Brought Forward | → | | | | |
| 1/29/2009 | 444.5 | 12.1 | 124.7 | 203.8 | 50hr. Insp completed IAW Cessna 182P Insp |
| | 2152.1 | 331.8 | 12432.3 | 203.8 | Eng oil & Filter change Filter P/N 4801 serviced |
| | | | | | With 12 qt W100 Plus Airfilter Insp Found |
| | | | | | OK. I certify this eng Insp. IAW 50 hr |
| | | | | | Insp & Found Airworthy 2777638 A+P |
| | | | | | <i>Handwritten signature</i> |



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Wo# 1082 N6229F

Tach: 377.9

ENGINE MODEL : O470U18B

TSOH: 247.9

ENGINE SN: 834430

CYCLES: NA

- Cw Annual Inspection IAW Cessna 182p MM Rev4 Dated Mar1/2004
- Hot Compression #1 66/80 #2 68/80 #3 68/80 #4 70/80 #5 60/80 #6 70/80
- Installed 12ea RHB32E.

This engine was inspected/repared IAW all applicable VM and technical data and was found to be in airworthy condition. Details of repair on file at this station

DAVID ESTES

A&P 3263283 IA

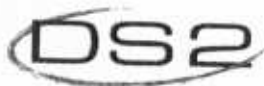
3/26/2009

Handwritten signature of David Estes

| | | | | |
|---------------------|--------|---------|---------|--|
| 4/28/2009 | 445.7 | 12514.7 | 289.1 | Service bulletin MSB09-1A completed |
| 5/4/2009 | | | | I/A/W SEB09-2. Aircraft Found Airworthy |
| | | | | A+P 2777638 |
| | | | | <i>Handwritten signature</i> |
| 5/7/2009 | 1666.5 | Tach | AFTT | ENG |
| | 2256.8 | 428.3 | 12527.3 | 301.7 |
| | | | | C/w 50 hr insp IAW Cessna 182 service Manual |
| | | | | Drain oil & serviced eng oil w/ 12 qt W100 plus |
| | | | | changed eng oil filter P/N: CH48110-1. I certify |
| | | | | Ph's eng has been insp IAW 50hr insp 182 service |
| | | | | manual and found to be in an airworthy |
| | | | | condition. A.P. by AP 3397297 |

| Date | Total Time | | Time Since Last Overhaul | | Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins |
|-----------------|------------|-------|-------------------------------|------|--|
| | Hrs. | Min. | Hrs. | Min. | |
| Brought Forward | → | | | | |
| 7/20/2009 | Hobbs | TACH | ACFT II | | C/w a 100 hr. inspection IAW Cessna 182 Service Manual ENGINE OIL & FILTER changed w 12qts Pennshell 100w oil c/w AIR FILTER inspection OK. OAD c/w is GOOD. I CERTIFY that this ENGINE has been inspected IAW a 100 hour and is in airworthy condition <i>Jaqueline D. Kilbuck</i> HA 453969577 |
| | 2310.2 | 478.2 | 12571.2 | | |
| | | | | | |
| 8/18/09 | Hobbs | TACH | ACFT II | | INSTALLED A NEW VACUUM PUMP IAW Cessna 182 MM. NO DEFECTS NOTED. OLD Ser: B10666 New Ser: B9692 PART NO: RA216CW <i>Jaqueline D. Kilbuck</i> HA 453969577 |
| | | | 12538.0 | | |
| | | | | | |
| 9/15/09 | | | ACFT II | | RECEIVED SB 09-34-08 AND SB 09-24-02 CK N/A By ACRAFT SERIAL# <i>Jaqueline D. Kilbuck</i> HA 453969577 |
| | 2344.7 | | 12609.9 | | |
| | | | | | |
| 9/24/09 | Hobbs | TACH | AFTT | | AD 2009-19-07 / MSB 09-18 NA by Engine and cylinder SN No further action Req'd <i>Jaqueline D. Kilbuck</i> AP 3397257 |
| | 2354.9 | 510.9 | 12609.9 | | |
| | | | | | |
| 10/27/09 | | | AFTT | | C/w a 50 hour inspection IAW TCM MM 10-976 CK & cleaned plugs & gapped & washed, checked. CK alternator - BET. OIL changed 12qts Pennshell 100 w plus 2 CAVB109-1 FILTER. CLEANED AIR FILTER washed engine, ck cylinders for defects & starter muf, no defects noted. / / / I certify that this ENGINE has been inspected IAW a 50 hour inspection and has been determined to be in airworthy condition <i>Jaqueline D. Kilbuck</i> HA 453969577 |
| | | | 12677.4 12677.4 | | |
| | | | | | |
| 11/25/09 | | | ACFT II | | C/w applicability of MSB 09-18 N/A. to our aircraft. <i>Jaqueline D. Kilbuck</i> HA 453969577 |
| | | | 12677.6 | | |
| | | | | | |
| 12/21/2010 | Hobbs | TACH | ACFT II | | completed a 100 hr. inspection IAW Cessna 182 & TCM MM. ENGINE OIL FILTER changed & OIL 12qts Pennshell 100w OK. cleaned induction AIR FILTER & c/w ADD ON OIL FILTER MAINT. CK ENGINE COMPRESSION #1=69/80 #2=79/80 #3=68/80 #4=76/80 #5=64/80 #6=70/80, CK cleaned & gapped spark plugs, replaced top #5 plug, |
| | 2411.2 | 572.9 | 12679.3 | | |
| | | | 12671.9 | | |
| | ENG | | | | |
| | 446.3 | | | | |

| Date | Total Time | | Time Since Last Overhaul | | Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins |
|-----------------|------------|------|--------------------------|------|---|
| | Hrs. | Min. | Hrs. | Min. | |
| Brought Forward | | | | | |
| 01/21/2010 | | | | | cleaned carb fuel screen & cleaned firewall |
| Cont'd. | | | | | fuel screen, flush carburetor bowl, wash engine |
| | | | | | ck MAG TIMING, took a ENGINE OIL sample. I certify |
| | | | | | that this engine has been IAW Cessna 182B TC |
| | | | | | m.m. for 100 Hr requirements and has been determined |
| | | | | | to be in Airworthy condition |
| | | | | | Jed D. Filand |
| | | | | | JA. 45369577 |



2001 Hangar LN, 32B
McAllen TX 78503

| | | | | | |
|------------|----------|--------------|------------|--------|------------|
| Reg. No. | 6229F | No. 1 Engine | Serial No. | 834430 | GG CSN/CSO |
| Serial No. | 18264133 | | TSN/TSO | 498.9 | PT CSN/CSO |
| Act. T.T. | 12712.0 | | TACH | 614.2 | |
| Landings | 6356 | | | | |

Date: 06/08/2010

Teledyne Continental D470-U Maintenance Manual and Cessna 182P inspection guide Annual 50/100/500 Hr. Inspections completed, reference Inspection JCN 6229F-2010-I-0001-0002 for pertinent information.

-Complied with compressor check, compressions were as follows: #1:66, #2:70, #3:73, #4:80, #5:68, #6:72.

-Replaced and gapped 12ea. spark plugs P/N: RHB32E.

-Replaced Right and left magneto ignition harness P/N: 10-823684-1.

-Engine oil sample taken and submitted.

-Dried and serviced with 12 quarts of Aeroshell 100 W plus.

-Removed and replaced oil filter P/N: CH48109-1. inspected old filter no defects noted.

-Removed and replaced left hand engine mount and alternator bracket.

-Replaced alternator P/N: D0FF10300JR S/N: G022530.

-Completed 500Hr inspection of left and right bendix magnetos IAW Teledyne S-1200 series high tension magneto Maintenance manual.

-Post engine run and leak checks completed and ok.

This aircraft has been inspected in accordance with the above listed inspections and has been determined to be in airworthy condition.

Jose Luis Arriola

AP 3135772 IA

| | | | | | |
|----------|-----------------|---------------|-----|---|---|
| 36/28/10 | Hobbs 2455.3 | Tach 614.5 | 499 | 2 | Items replaced during Compliance Audit of aircraft records. Replaced Vacuum lines PN# S1495 & S51-10. Replaced Oil lines PN# S1236-4-0460 and fuel lines PN# S1167-08-0150. All work performed IAW Cessna Maintenance Manual. Engine ground test run and leak checked. The above referenced work was found to be in an airworthy condition and is approved for returned to service. Mike A3P# 3516147IA |
| | | | | | Enc |

| Date | Total Time | | Time Since Last Overhaul | | Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins |
|---|------------|------|--------------------------|------|--|
| | Hrs. | Min. | Hrs. | Min. | |
| Brought Forward → | | | | | |
| N6229F AFTT:12760.1 | Hobbs:39.7 | | Tach:656.9 | | 10/01/10 |
| C/W 50 hr insp. IAW C182 M.M. Drained and Serviced engine oil with 11 qt of Aeroshell 100plus. Removed and replaced oil filter PN:CH48109-1. Cleaned gaped and rotated spark plugs. | | | | | |
| Jedidiah Palmer AP3397297 | | | | | |
| 2-24-2011 | 128.11 | 3 | 56.3 | 3 | <p>COMPLIED WITH 50HR INSPECTION REF C182MM. DRAINED OIL AND OBTAINED SAMPLE. REMOVED AND REPLACED FILTER PN CH48109-1. SERVICED ENGINE WITH 12 QTS. AEROSHELL 15W50 OIL. REMOVED AND REPLACED EXHAUST GASKETS PN 631544. INTAKE GASKETS PN 649959. EXHAUST FLANGE NUTS PN 643967, ROCKER COVER GASKETS PN 655528, PUSHROD SEALS PN 534610, EXHAUST LIFTERS PN 6416277, INTAKE LIFTERS PN 628438, VALVE ROCKER SHAFTS PN 539740, INTAKE ROCKERS PN 534397, EXHAUST ROCKERS 6411633, AND PRIMER TUBE PROTECTORS PN 631928. #4 CYLINDER REPAIRED BY J+J AIRPARTS UNDER WO JJI66781 DATED 2/1/2011. CYLINDER INSTALLED USING NEW ORING PN 532200. RT INSTALLED NEW VAC PUMP PN AA3216CW SN N57728 USING NEW GASKET. ENGINE RUN UP AND OPERATIONAL TEST SATISFACTORY. LEAK CHECK SATISFACTORY. I DETERMINE THAT THIS ENGINE WAS INSPECTED AND DETERMINED TO BE IN AIRWORTHY CONDITION. <i>Patricia Townsend</i> AP28057761A.</p> <p>N6229F SN#18264133 AFTT: 12861.5 C/W 50hr Inspection items referencing Cessna 182 MM. Changed Oil/Filter, Filter PN# CH48109-1 & 12qts Aeroshell W100+. C/W 50hr Lube requirements referencing Cessna Lube Chart. Installed new oil cooler bolts and safetied. See JCN# 6229F-2011-I-0022 & 6229F-2011-I-0019 for details. This aircraft with respect to the work performed, has been found to be in an airworthy condition and is there approved for return to service.</p> <p>Date <u>05/16/2011</u> Certificate# <u>AP 3516147 IN</u> Signature <i>James Haltom</i></p> |

DS2

400 Judge Leon Ford St.
Hammond LA 70401

ENGINE

MODEL # IO470-U SER # 834430 TSN: 643.2 TSO: N/A DATE: 6/24/2011

Complied with a 100 hour/Annual Inspection in accordance with current Cessna 200 Series and Teledyne Continental Motors Maintenance Manuals. Additional maintenance included: SB95-2 Engine Controls inspection; SB96-12 Cylinder Inspection; SB03-3 Cylinder Compression and Borescope insp; MSB94-8C Magneto to Engine Timing; Compression test results: (1) 68 (2) 76 (3) 72 (4) 78 (5) 70 (6) 72/80, Master Orifice limit 43/80; Oil and filter replaced, 11 qts of AeroShell W100 used; Replaced all 12 spark plugs with new RHB32E plugs; Ground run checks and leak checks completed, no defects noted. Reference EMRKS 6229F-2011-I-0024-0001. -----END-----

James Haltom

James R. Haltom

3434418822 IA

| Date | Total Time | | Time Since Last Overhaul | | Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins |
|-------------------|------------|------|--------------------------|------|---|
| | Hrs. | Min. | Hrs. | Min. | |
| Brought Forward → | | | | | |



DEFENSE SUPPORT SERVICES LLC
 Davis Monthan Air Force Base
 Tucson, AZ 85708

| | | | | | | |
|------------|-----------|--------------|------------|----------|-------------|-----|
| Reg. No. | 6229F | No. 1 Engine | Serial No. | 834430-R | GG CSN/CSO | N/A |
| Serial No. | 182-64133 | | ENG TSN | 649.9 | PT CSN/CSO | N/A |
| Acf. T.T. | 12874.9 | | ENG GG CSN | N/A | FT DISK CSN | N/A |
| Landings | 6486 | | ENG PT CSN | N/A | | |

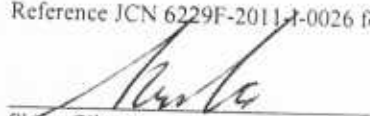
Date: 08/23/2011

Conformity type inspection completed, reference inspection JCN 6229F-2011-I-0026 for pertinent inspection details, and 6229F-2011-I-0026-0001 for final inspection details.

- Torqued Engine thru firewall mount bolts completed as required Ref. JCN: 6229F-2011-I-0026-0004.

I certify that this engine has been inspected in accordance with the above listed inspections and has been determined to be in airworthy condition.

Reference JCN 6229F-2011-I-0026 for Post Inspection MCF.


 Shane Silvers
 AP 3516147 IA