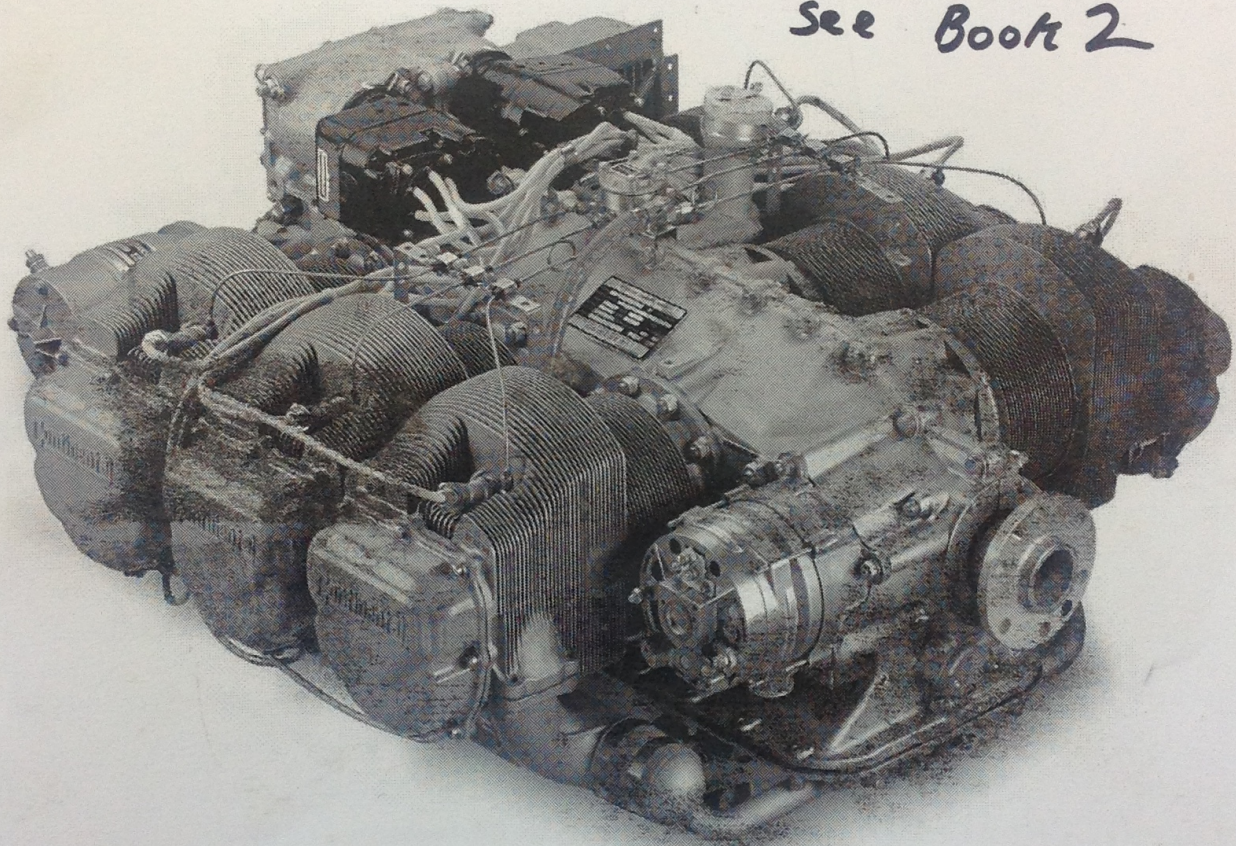


E-3760

ENGINE LOG BOOK

N348 P

Closed
June 2011
See Book 2



Teledyne Continental Motors, Inc.

tors, Inc.

ation Sheet

E-3760

led: 09/20/2006

i:

09/22/2006

Aircraft Engine Test Verification

This document verifies that the engine model listed below has satisfactorily completed all testing listed below in accordance with TCM standard engine testing specifications as approved by the FAA.

Engine Model

10-550 B-39B

Engine Serial Number

688498

Testing Completed

Standard Acceptance Test:

Date of Completion 9-21-06 Test Operator 19769



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Form No 98344

Component Serial Number

LER	B06-4771-64
R-1	AC06GA437
R - 2	AC06GB668
R - 3	AC06GB680
R - 4	AC06GB649
R - 5	AC06GA450
R - 6	AC06GB629
1	1250
2	2245
3	3248
4	4241
NOZZLE - 5	5253
NOZZLE - 6	6243
PSTN WGT	WP

FUEL PUMP B06HA378
 MANIFOLD VALVE C06HA339
 METERING UNIT AC06HA351
 STARTER 06 143 0017
 ALTERNATOR 006IA002

Pack 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.

E-3760

Engine Component Information Sheet

Printed: 09/22/2006

Serial: 688498
Spec: I0550B39B
New/Rebuilt: (NEW)

Assembled: 09/20/2006
Shipped:
Packed: 09/22/2006

Customer Name: RAYTHEON AIRCRAFT COMPANY
Shipping Address:

Component	Serial Number
CAMSHAFT	Z06HA218
CRANKSHAFT	N06GA253
CRANKCASE	R06GA265
CONNROD	AE06HB452
CONNROD	AE06HB442
CONNROD	AE06HB431
CONNROD	AE06HA980
CONNROD	AE06HB435
CONNROD	AE06HA984
L MAGNETO	06012291
R MAGNETO	06012293
FUEL PUMP	B06HA378
MANIFOLD VALVE	C06HA339
METERING UNIT	AC06HA351
STARTER	06 143 0017
ALTERNATOR	006IA002

Component	Serial Number
OIL COOLER	B06-4771-64
CYLINDER-1	AC06GA437
CYLINDER - 2	AC06GB668
CYLINDER - 3	AC06GB680
CYLINDER - 4	AC06GB649
CYLINDER - 5	AC06GA450
CYLINDER - 6	AC06GB629
NOZZLE - 1	1250
NOZZLE - 2	2245
NOZZLE - 3	3248
NOZZLE - 4	4241
NOZZLE - 5	5253
NOZZLE - 6	6243
PSTN WGT	WP

Pack Inspection Stamp



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

Aircraft Engine Standard Acceptance Test Log

TCM Serial#	IO-550B39B
Test Document	688498
Software Release#	TH-3215 Rev G
Start Time	1.98, 05/13/04
Accepted Time	9/21/06, 07:57:08
Cell# & Operator	9/21/06, 10:33:35
Sea Level Power	6, 29769
Vapor Pressure	300 HP @ 2700RPM
Temp, Wet Baro	0.47 in HG
	78.04 F, 30.01 in HG

Test Club#	C2245A
Rrd Pitch	20.0+-1.5
Actual Pitch	20.0
Mixture Check	PASS
Alternator Check	PASS

Eng Speed Right	N/A	Z040
Right Mag Drop	150	61
Eng Speed Left	N/A	2053
Left Mag Drop	150	55
Mag Drop Spread	50	5
Fuel Flow (Ref.)	70	86

Note: Magneto check between Run 2 & 3

Run Information	Run 1	Run 2	Run 3	Run 4	Run 5	Run 6	Run 7	Run 8
Time Of Day	08:32:25	08:34:44	08:38:20	09:30:12	09:39:39	09:53:16	09:57:26	10:23:13
Run Time Rqd (MM:SS)	01:00	01:00	01:00	10:00	10:00	01:00	10:00	05:00
Run Time	01:24	02:04	01:13	10:00	10:00	01:00	10:00	05:00
Prop Speed Rqd (RPM)	1175-1225	1575-1625	2425-2475	2718-2768	2483-2508	575-625	2484-2509	2486-2511
Prop Speed	1202	1601	2450	2744	2498	625	2494	2496
Manifold Press Rqd (InHg)	N/A	N/A	N/A	26.5-29.5	N/A	18.5 MAX	N/A	N/A
Manifold Press	N/A	N/A	N/A	29.0	24.4	13.3	24.4	24.4
Turbo Dis Press Rqd (InHg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Turbo Dis Press	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
Fuel Flow Rqd (lb/hr)	N/A	N/A	N/A	150.7-160.7	103.4-127.4	N/A	N/A	N/A
Fuel Flow	N/A	N/A	N/A	158.8	115.9	12.3	115.1	114.5
Nozzle Press Rqd (PSID)	N/A	N/A	N/A	18.7-19.3	11.7-12.9	N/A	N/A	N/A
Nozzle Press	4.2	4.7	N/A	18.8	12.0	3.2	11.9	11.9
Fuel Pump Press Rqd (PSIG)	N/A	N/A	N/A	32.7 REF	N/A	8.0-10.0	N/A	N/A
Fuel Pump Press	13.6	17.7	34.6	33.6	30.7	9.3	30.3	30.2
Fuel Temp Rqd (°F)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fuel Temp	55	47	43	47	50	56	50	49
Ambient Temp Rqd (°F)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ambient Temp	71	71	71	75	76	76	77	78
Eng Inlet Oil Temp Rqd (°F)	90-240	120-240	165-240	180-240	165-240	140-240	165-240	165-240
Eng Inlet Oil Temp	94	120	165	180	188	180	165	166
Eng Oil Press Rqd (PSIG)	30.0 MIN	30.0 MIN	30.0 MIN	49.6-60.6	30.0 MIN	16.7 MIN	30.0 MIN	30.0 MIN
Eng Oil Press	69.4	69.6	65.4	54.2	51.7	30.0	55.8	56.7
Min Cylinder Temp Rqd (°F)	150 MIN	175 MIN	250 MIN	250 MIN	250 MIN	460 MAX	250 MIN	250 MIN
Min Cylinder Temp	460 MAX	460 MAX	460 MAX	460 MAX	460 MAX	460 MAX	460 MAX	460 MAX
Max Cylinder Temp Rqd (°F)	174	263	380	422	420	283	342	354
Cylinder 1 Temp	184	264	363	418	355	254	335	352
Cylinder 2 Temp	172	257	367	405	342	198	308	333
Cylinder 3 Temp	160	239	347	405	342	234	284	300
Cylinder 4 Temp	151	229	326	371	375	182	273	285
Cylinder 5 Temp	153	210	293	334	327	N/A	273	285
Cylinder 6 Temp	N/A	N/A	N/A	15.6 MAX	N/A	N/A	N/A	N/A
Cylinder 7 Temp	N/A	N/A	N/A	1.0	0.8	0.1	N/A	N/A
Cylinder 8 Temp	23.8	2.2	1.4	1.0	0.8	0.1	0.9	1.0

E-3760

Representative
 Aircraft Servicing Aircraft
 Major Repairs & Airframe Substantiation
 Airworthiness Lim
 (847) 729-51
 (847)
 comcast.net

Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book Directly to:

Teledyne Continental Motors
Abbeville Industrial Park
Suite 159
Abbeville, AL 36310

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



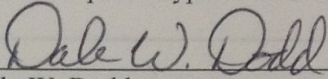
Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Printed: 09/22/2006

This engine model I0550B39, Serial No. 688498 was manufactured on 09/22/2006 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.

TCM
19

TELEDYNE CONTINENTAL MOTORS
A TELEDYNE TECHNOLOGIES COMPANY
PRODUCTION CERTIFICATE NO. 508

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.	
2-7-07	0	0	0	0	This engine has been installed on aircraft serial number E-3760 and has been fully charged with Phillips 66 Type M SAE 20W-50.  Dale W. Dodd FOR RAYTHEON AIRCRAFT CO. PC#8



STEVENS AVIATION

N760EB
May 25, 2007

Raytheon Aircraft Bonanza G36 S/N: E-3760 Aircraft TT: 24.4
Hour Meter: 24.4

Eng Model: IO-550-B (39)

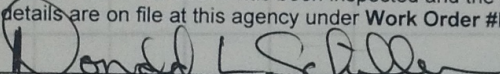
Eng S/N: 688498

Eng TSN: 24.4

→ Drained Oil. Removed, cut open, and inspected Oil Filter for contaminants, none noted. Replace and installed new **Champion CH48109-1 Oil Filter**. Serviced Engine with **11 Qts Aero-Shell 15W50 Detergent Oil**. Cleaned Engine compartment. Engine Ground Run was satisfactory with no oil leaks noted.

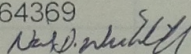
The maintenance identified above has been inspected and the items are approved for return to service. Pertinent details are on file at this agency under **Work Order #BJC# BJC33550/125**.

Signed



For Stevens Aviation, CRS VIB6368K, Broomfield, CO 80021

August 17, 2007 Tach Time: 62.2
Drained oil & replaced oil filter. Serviced with 11 qts. Aeroshell 15W50.
Neil D. Wickliff A&P 484664369



A-Cent Aviation, Inc 1340 Aviation Way, Colorado Springs, Colorado 80916

Engine

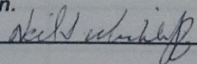
Date:- June 6, 2008 Acft Reg:- N348P Eng Serial No.:- 688498
Tach:- 97.1 T.T. Eng:- 97.1 S.M.O.H. Eng:- 97.1

Maintenance Description

Completed annual inspection on this date. Checked components and fittings for security and condition. Cylinder leakage test results as follows: #1- 78/80, #2- 76/80, #3- 77/80, #4- 77/80, #5- 77/80 and #6- 78/80 psi. Drained oil and serviced with 11qts of Aeroshell 15W50. Removed oil filter, cut open and inspected element for contamination. Installed new oil filter CH48109-1 and safetied. Cleaned, inspected and gapped all spark plugs. Checked mag timing.

I certify that this Engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

Mechanic's Signature:- Neil D. Wickliff



Certificate Number:- IA484664369

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

STEVENS AVIATION N348P Hawker Beechcraft Bonanza G36 S/N: E-3760 Aircraft TT: 106.2
 July 16, 2008 Hour Meter: 106.2

Complied with the following: Safety Communiqué 293 Inspection for Indication of Fuel Leak in the Fuel Injection System (dated April 2008) by inspection of fuel injection components listed. No defects noted.

- Repaired Air conditioning compressor wire splice. Removed old splice connector cleaned and stripped wires re-connected with new splice and covered with shrink wrap, operational check satisfactory.
- Removed Tail Nav Light Bulb and installed new **Tail Nav Bulb P/N: A508-28**. Operational checks satisfactory.

The maintenance identified above has been inspected and the items are approved for return to service. Pertinent details are on file at this agency under **Work Order #BJC-WO-200**.

Signed *[Signature]*
 For Stevens Aviation, CRS VIB6368K, Broomfield, CO 80021

AERO RESTORATIONS, INC.
 Addison Airport, Addison, Texas 75001

N348P
 Raytheon G-36
 SN: E-3760

Engine Log Entry

November 21, 2008 Hour Meter: 124.1 Drained oil, cut and inspected oil filter. No metal was found. Installed, torqued and safetied a new CH48109-1 oil filter. Serviced with 12 qts Aeroshell 15W50 oil. Ground run, leak check good.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409 AND/OR REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #08-2971 ON FILE AT THIS STATION. DATED 11/21/08. INSPECTED BY *[Signature]* FOR AERO RESTORATIONS, INC. CRS #XR0R795Y, ADDISON, TEXAS 75001.

AERO RESTORATIONS, INC.
 Addison Airport, Addison, Texas 75001

N348P
 Raytheon G-36
 SN: E-3760

Engine Log Entry

July 16, 2009 AFTT: 156.5 Hour Meter: 156.5 ETSN: 156.5
 Complied with an annual inspection IAW Hawker Beechcraft Bonanza series maintenance manual inspection guide. Performed cylinder compression check as follows: #1 72/80, #2 72/80, #3 73/80, #4 73/80, #5 74/80, #6 75/80. Drained oil. Cut and inspected oil filter, no metal was found. Serviced with 11 Qts Aeroshell 15w50 oil. C/W oil analysis. Cleaned fuel injectors. Cleaned and tested spark plugs. Ground run, ops and leak check good.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409, AN ANNUAL INSPECTION AND/OR REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #09-3123 ON FILE AT THIS STATION. DATED 07/16/09. INSPECTED BY *[Signature]* FOR AERO RESTORATIONS, INC. CRS #XR0R795Y, ADDISON, TEXAS 75001.

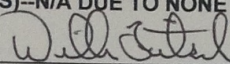
Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

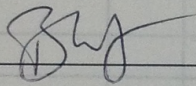
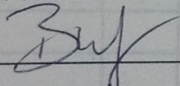
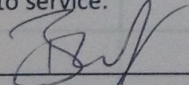
METROPLEX AIRCRAFT INSPECTIONS
4726 George Haddaway Dr.,
Addison, TX 75001

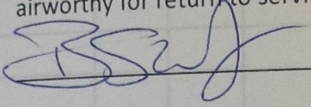
Make: CONTINENTAL
Model: IO-550-B-39B
S/N: 688498
Reg#: N348P

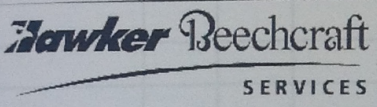
Date: 12-7-2009
WO#: 4469
HOBBS: 166.6
ENG TT: 166.6

1. AD 09-16-03 (SUPERIOR AIR PARTS INVESTMENT CAST CYLINDER ASSEMBLIES)--N/A DUE TO NOT INSTALLED.
2. AD 09-19-07 (EQ3 CYLINDER HEAD ASSEMBLIES)--N/A DUE TO NOT INSTALLED.
3. AD 09-24-52 (HYDRAULIC LIFTERS)--N/A DUE TO NONE REPLACED DURING SPECIFIED DATES.


WILLIAM FRITSCH A & P 2813809 IA

Date: 1/20/10 Hobbs: 205.1					
Changed oil and filter with CH48109 filter and 11 quarts Aeroshell 15W50. Ran for leak check. Approved for return to service.					
					
Brian Woods AP27270395					
Date: 5/2/10 Hobbs: 251.6					
Changed oil with CH48109 filter and 11 quarts Aeroshell 15W50. Ran for leak check. Approved for return to service.					
					
Brian Woods AP27270395					
Date: 7/26/10 Hobbs: 298.8					
Changed oil with CH48109 filter and 11 quarts Aeroshell 15W50. Ran for leak check. Approved for return to service.					
					
Brian Woods AP27270395					

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 →					
Date: 8/1/10	Hobbs:		ETT: 304.2		
Complied with a 100 HR inspection of this engine at this time. Ran for ops check. Drained oil and replaced CH48109-1 filter. Serviced with 11 quarts Aeroshell 15W50. Compression check: 1) 73, 2)72, 3)72, 4)74, 5)73, 6)74. Cleaned and gapped spark plugs. Checked timing. Cleaned injectors. Ran for ops and leak check. I certify this engine has been inspected IAW an 100HR/Annual inspection and is airworthy for return to service.					
 Brian Woods AP27270395IA					



10440 John Cape Road
 San Antonio, TX. 78216
 Phone 210.824.7503
 Fax 210.804.6566

ENGINE LOG ENTRY

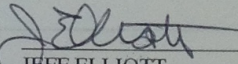
PAGE 1 OF 1

MODEL	A/C S/N	A/C REG.	WORK ORDER#	AC TT	AC TCYC:	HR MTR:	DATE
G36	E-3760	N348P	25-05-3054	349.1	N/A	349.1	9-29-2010

1. COMPLIED WITH OIL CHANGE PER BONANZA SERIES MAINTENANCE MANUAL CHAPTER 12-10-00. SERVICED WITH 12 QTS AEROSHELL 15W50. NEW FILTER P/N CH48109-1. GROUND RUN AND LEAK CHECK GOOD. CUT OPEN OIL FILTER. NO DEBRIS NOTED.

THE WORK PERFORMED ON THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS. ONLY THOSE ITEMS SPECIFIED IN THE WORK ORDER HAVE BEEN INSPECTED AND FOUND TO BE AIRWORTHY AND RETURNED TO SERVICE. NO OTHER REPRESENTATIONS CONCERNING AIRWORTHINESS ARE EXPRESSED OR IMPLIED.

HAWKER BEECHCRAFT SERVICES
 CRS-XA14605K


 JEFF ELLIOTT
 TITLE: INSPECTOR

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 →



GREGG AIRCRAFT SERVICES, INC.
EAST TEXAS REGIONAL AIRPORT
155 DOVEL ROAD
LONGVIEW, TX 75603
903-643-0980

N348P **10-26-10** **TACH: 385.8**
Checked mag to engine timing. Found to be within limits. Removed, cleaned and rotated spark plugs. Removed engine oil and filter and replaced with 9 quarts Aeroshell 15W50 and CH48109-1 filter. Took S.O.A.P. sample. Run-up and leak check good.
Greg Burnett
A&P3367653

Greg Burnett



GREGG AIRCRAFT SERVICES, INC.
EAST TEXAS REGIONAL AIRPORT
155 DOVEL ROAD
LONGVIEW, TX 75603
903-643-0980

N348P **1-20-11** **TACH: 433.5**
Removed engine oil and filter. Replaced with 9 quarts Aeroshell 15W50 and CH48109-1 filter. Run-up and leak check good.
Phillip Guidry
A&P3544634

Phillip Guidry

Phillip Guidry

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 →



GREGG AIRCRAFT SERVICES, INC.
EAST TEXAS REGIONAL AIRPORT
155 DOVEL ROAD
LONGVIEW, TX 75603
903-643-0980

N348P 3-11-11 TACH: 467.3

Changed oil and filter. Serviced with 10 quarts Aeroshell 15W50 and CH48109-1 filter. S.O.A.P. sample taken. Installed new quick drain. Cleaned plugs, rotated and reinstalled. Cleaned fuel injectors. Checked timing and reset to 22 degrees BTC. Crankcase has crack at air conditioning mount near right mag. Found within limits as per **TCM SB09-4A**. Must be re-inspected every 50 hours.

Timothy K. Stroman
A&P3390266

TORNADO ALLEY TURBO INC.
300 AIRPORT RD
ADA, OK 74820

ENGINE LOG BOOK ENTRY

1 JUNE 2011

N348P BONANZA MODEL G36 SN: E-3760 ACFT TT: 502.2 ACFT HOBBS: 502.2

TCM IO-550-B SN: 688498 ENG TSN: 502.2 ENG TSMOH: 0.0

REMOVED ENGINE DUE TO HAVING CRACK AT AIR CONDITIONER MOUNT AREA. SENT ENGINE TO EAGLE ENGINES FOR REPAIR AND OVERHAUL.

RUN-UP, OP's AND LEAK CHECK OK.

DAVID R. LANDRETH A&P 2651512 IA

TORNADO ALLEY TURBO INC.
300 AIRPORT RD
ADA, OK 74820

ENGINE LOG BOOK ENTRY

2 JUNE 2011

N348P BONANZA MODEL G36 SN: E-3760 ACFT TT: 502.2 ACFT HOBBS: 502.2

TCM IO-550-B SN: 688498 ENG TSN: 502.2 ENG TSMOH: 0.0

CLOSED THIS LOG BOOK ON THIS DATE. SEE NEW EAGLE ENGINE LOG BOOK FOR CONTINUATION.

DAVID R. LANDRETH A&P 2651512 IA

