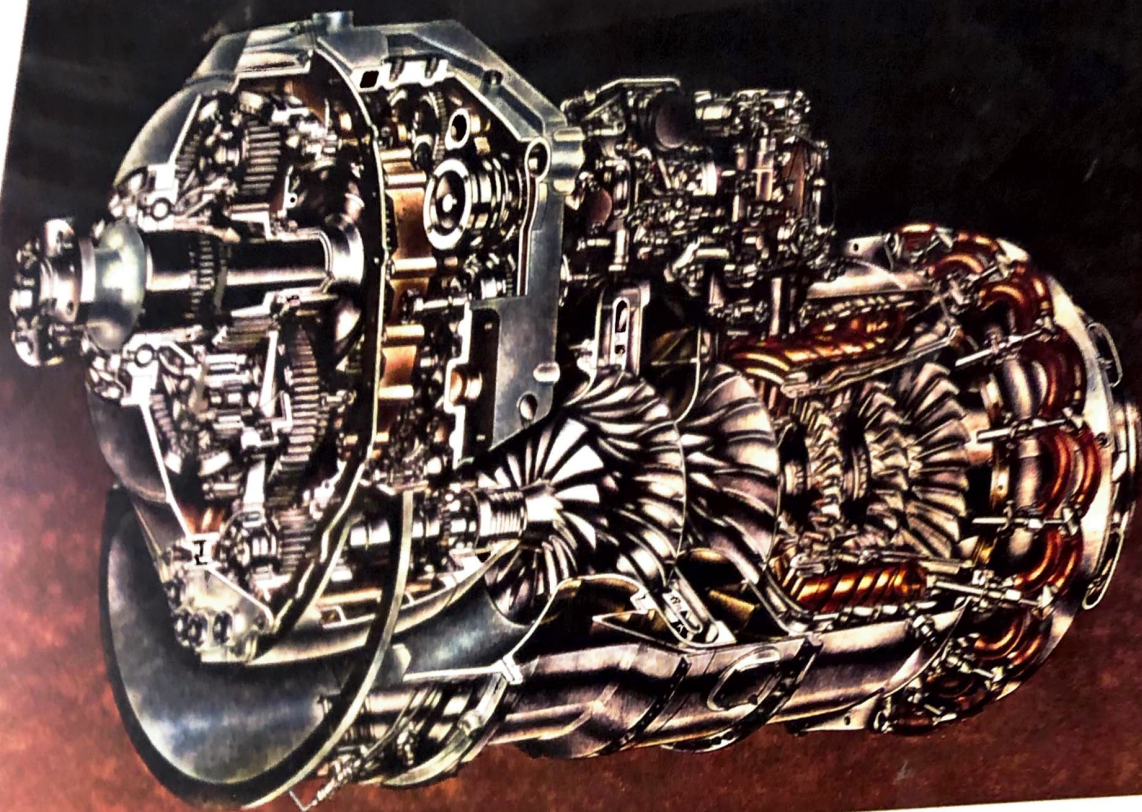
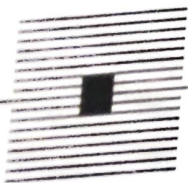


LEFT ENGINE



TPE331



ENGINE LOG BOOK

 **AlliedSignal**
AEROSPACE

S/N

P-79682

ENGINE DATA

MODEL NO. TPE331- 10T- 511K SERIAL NO. P - 79682C TOTAL ENGINE WEIGHT _____ LBS

TAKEOFF RATING _____ 776 HP@ _____ 1591 RPM (_____ 100 %)

MAXIMUM CONTINUOUS RATING _____ 776 HP@ _____ 1591 RPM (_____ 100 %)

OIL GRADE SEE FLIGHT MANUAL OIL PRESSURE SEE FLIGHT MANUAL MAXIMUM OIL TEMP SEE FLIGHT MANUAL

FUEL SEE FLIGHT MANUAL MAXIMUM TURBINE DISCHARGE TEMPERATURE (TDT) _____ °F (_____ °C)

PROPELLER DATA

MANUFACTURER _____

MODEL NUMBER _____ SERIAL NUMBER _____

LEFT ENGINE LOG ENTRY DATE 5/8/2019

N777NV
S/N 11680
MODEL 690C
AFTT 7273.2
HOBBS 2434.3

LEFT ENGINE
S/N P-79682
LETT 8900.2
LETC 8200

1. COMPLIED WITH 150, 200 & 400 HR ENGINE INSPECTION ON L/H ENGINE
2. COMPLIED WITH "AD 2018-13-05" 150 HR ENGINE SOAP SAMPLING - RESULTS NORMAL - NEXT DUE ON OR BEFORE 7423.2 AFTT
3. REMOVED L/H FUEL NOZZLES & REPLACED WITH OVERHAULED NOZZLES P/N 3103235-9-11

THIS ENGINE HAS BEEN INSPECTED AND OR REPAIRED IN ACCORDANCE WITH HONEYWELL TPE 331-10 SUPPORT LIBRARY AND CURRENT FAA REGULATIONS AND IS CONSIDERED IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Signed 
Daniel J Hoban AP2670646

Aces Aircraft Maintenance

2323 P-51 Court - STE 200
PH (775) 783-4883 Fax (775) 783-4889

LEFT ENGINE LOG ENTRY DATE 6/11/2019

N777NV
S/N 11680
MODEL 690C
AFTT 7298.3
HOBBS 2459.4

LEFT ENGINE
S/N P-79682
LETT 8925.3
LETC 8221

1. WARRANTY REPLACEMENT OF L/H SPR VALVE P/N 394312-12-1 S/N P-3068

THIS ENGINE HAS BEEN INSPECTED AND OR REPAIRED IN ACCORDANCE WITH HONEYWELL TPE 331-10 SUPPORT LIBRARY AND CURRENT FAA REGULATIONS AND IS CONSIDERED IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Signed 
Daniel J Hoban AP2670646

Aces Aircraft Maintenance

2323 P-51 Court - STE 200
PH (775) 783-4883 Fax (775) 783-4889

LEFT ENGINE LOG ENTRY DATE 12/23/19

N777NV
S/N 11680
MODEL 690C
AFTT 7401.1
HOBBS 2562.2

LEFT ENGINE
S/N P-79682
LETT 9027.1
LETC 8302

1. COMPLIED WITH "AD 2018-13-05" 150 HR ENGINE SOAP SAMPLING - RESULTS NORMAL - NEXT DUE ON OR BEFORE 9127.1 LETT
2. COMPLIED WITH 150, 200 & 300 HR ENGINE INSPECTION ON L/H ENGINES IAW EMM 72-00-00
3. COMPLIED WITH 12 MO L/H MAG HOUSING CORROSION INSPECTION IAW EMM 72-00-00

THIS ENGINE HAS BEEN INSPECTED AND OR REPAIRED IN ACCORDANCE WITH TPE331-10T SUPPORT LIBRARY AND CURRENT FAA REGULATIONS AND IS CONSIDERED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Signed 
Daniel J Hoban AP2670646

92-9107-51

LEFT ENGINE LOG ENTRY DATE 09/27/2018

LEFT ENGINE
S/N P-79682
LETT 8760.9
LETC 8067

1. REPLACED L/H ENGINE FEATHER VALVE WITH OVERHAULED P/N 869245-4 S/N 1-16396-431
2. REPLACED PROP PITCH CONTROL REAR COVER GASKET P/N 865664-6 & 865630-3 & PISTON ORING P/N 895459-1

THIS ENGINE HAS BEEN INSPECTED AND OR REPAIRED IN ACCORDANCE WITH HONEYWELL TPE 331-10 SUPPORT LIBRARY AND CURRENT FAA REGULATIONS AND IS CONSIDERED IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Signed 
Daniel J Hoban AP2670846

2323 P-51 Court - STE 200
PH (775) 783-4883 Fax (775) 783-4889

LEFT ENGINE LOG ENTRY DATE 2/25/2019

N777NV
S/N 11680
MODEL 690C
AFTT 7215.8
AFTC 7752

1. COMPLIED WITH 12 MO L/H MAG HOUSING CORROSION INSPECTION

THIS ENGINE HAS BEEN INSPECTED AND OR REPAIRED IN ACCORDANCE WITH TPE331-10T SUPPORT LIBRARY AND CURRENT FAA REGULATIONS AND IS CONSIDERED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Signed [Signature]
Daniel J Hoban AP2670646

2323 P-51 Court - STE 200
PH (775) 783-4883 Fax (775) 783-4889

LEFT ENGINE LOG ENTRY DATE 3/21/2019

N777NV
S/N 11680
MODEL 690C
AFTT 7240.6
HOBBS 2401.7

LEFT ENGINE
S/N P-79682
LETT 8866.6
LETC 8169

1. REPLACED L/H START PRESSURE REGULATOR WITH OVERHAULED 3167174-5
2. REPLACED L/H SPR CHECK VALVE WITH SERVICEABLE P/N 394312-12-2 S/N P-1254C

THIS ENGINE HAS BEEN INSPECTED AND OR REPAIRED IN ACCORDANCE WITH HONEYWELL TPE 331-10 SUPPORT LIBRARY AND CURRENT FAA REGULATIONS AND IS CONSIDERED IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Signed Daniel J Hoban AP2670646

[illegible]

Aces Aircraft Maintenance

2323 P-51 Court - STE 200
PH (775) 783-4883 Fax (775) 783-4889

LEFT ENGINE LOG ENTRY DATE 08/09/2017

N777NV
S/N 11680
MODEL 690C
AFTT 6805.0
HOBBS 1967.6

LEFT ENGINE
S/N P-79682
LETT 8432.0
LETC 7752

1. COMPLIED WITH 150, 200, 300 HR L/H ENGINE INSPECTIONS
2. COMPLIED WITH 450 HR L/H ENGINE FUEL NOZZLES CLEAN & TESTING - PERFORMED BY TENNESSEE AIRCRAFT CO. NOZZLE SET P/N 3103235-11
3. COMPLIED WITH L/H ENGINE SOAP SAMPLINGS

THIS ENGINE HAS BEEN INSPECTED AND OR REPAIRED IN ACCORDANCE WITH HONEYWELL TPE 331-10 SUPPORT LIBRARY AND CURRENT FAA REGULATIONS AND IS CONSIDERED IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Signed 
Daniel J Hoban AP2670646

Aces Aircraft Maintenance

2323 P-51 Court - STE 200
PH (775) 783-4883 Fax (775) 783-4889

LEFT ENGINE LOG ENTRY DATE 02/23/2018

N777NV
S/N 11680
MODEL 690C
AFTT 6965.3
HOBBS 2126.4

LEFT ENGINE
S/N P-79682
LETT 8592.3
LETC 7908

1. COMPLIED WITH 150, 200, 300 & 400 HR L/H & R/H ENGINE INSPECTIONS
2. COMPLIED WITH L/H & R/H SOAP SAMPLINGS
3. INSTALLED NEW ENGINE IGNITORS ON R/H & L/H ENGINES P/N CH31547C

THIS AIRCRAFT HAS BEEN INSPECTED AND OR REPAIRED IN ACCORDANCE WITH TPE331-10U SUPPORT LIBRARY AND CURRENT FAA REGULATIONS AND IS CONSIDERED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Signed 
Daniel J Hoban AP2670646

Aces Aircraft Maintenance

2323 P-51 Court - STE 200
PH (775) 783-4883 Fax (775) 783-4889

LEFT ENGINE LOG ENTRY DATE 09/25/2018

N777NV
S/N 11680
MODEL 690C
AFTT 7119

LEFT ENGINE
S/N P-79682
LETT 8746.1
LETC 8052

1. COMPLIED WITH 150, 200 & 300 HR L/H ENGINE INSPECTION
2. COMPLIED WITH 600 HR L/H FWD AND AFT PLENUM DRAIN VALVE INSPECTION & CLEANING
3. COMPLIED WITH "AD 2018-13-05" 150 HR ENGINE SOAP SAMPLING - RESULTS NORMAL - NEXT DUE ON OR BEFORE 7269.1 AFTT
4. COMPLIED WITH L/H ITT/EGT CALIBRATION AND CHECK
5. COMPLIED WITH L/H FUEL CONTROL PUMP INTEGRITY INSPECTION
6. REPLACED L/H ENGINE BETA PRESSURE SWITCH WITH OVERHAULED - P/N 865956-6

ENGINE HAS BEEN INSPECTED AND OR REPAIRED IN ACCORDANCE WITH HONEYWELL TPE 331-10 SUPPORT LIBRARY AND CURRENT FAA REGULATIONS AND IS CONSIDERED IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.


Hoban AP2670646

Aces Aircraft Maintenance

102 Wass Way, Minden, NV 89423
PH (775) 783-4883 Fax (775) 783-4889

LEFT ENGINE LOG ENTRY DATE 10/26/15

N777NV
S/N 11680
MODEL 690C
HOBBS 1643.4
AFTT 6474.9

LEFT ENGINE
S/N P-79682
LETT 8052.5
LETC 7212

1. REMOVE & REINSTALL FUEL CONTROL UNIT AFTER REPAIR P/N 897770-011, S/N 1482085 - TURBINE STANDARD

THIS AIRCRAFT HAS BEEN INSPECTED AND OR REPAIRED IN ACCORDANCE WITH TWIN COMMANDER SUPPORT LIBRARY AND CURRENT FAA REGULATIONS AND IS CONSIDERED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Signed 
Daniel J Hoban AP2670646

Aces Aircraft Maintenance

102 Wass Way, Minden, NV 89423
PH (775) 783-4883 Fax (775) 783-4889


LEFT ENGINE LOG ENTRY DATE 03/29/2016

N777NV
S/N 11680
MODEL 690C
AFTT 6502.2
HOBBS 1670.7

LEFT ENGINE
S/N P-79682
LETT 8079.8
LETC 7417

1. COMPLIED WITH 150 HR/200 HR -L/H ENGINE INSPECTION ITEMS
2. COMPLIED WITH L/H ENGINE SOAP SAMPLING

THIS AIRCRAFT HAS BEEN INSPECTED AND OR REPAIRED IN ACCORDANCE WITH TWIN COMMANDER SUPPORT LIBRARY AND CURRENT FAA REGULATIONS AND IS CONSIDERED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Signed 
Daniel J Hoban AP2670646

Aces Aircraft Maintenance

2323 P-51 Court - STE 200
PH (775) 783-4883 Fax (775) 783-4889

LEFT ENGINE LOG ENTRY DATE 09/27/2016

N777NV
S/N 11680
MODEL 690C
AFTT 6653.9
HOBBS 1815.2

LEFT ENGINE
S/N P-79682
LETT 8280.9
LETC 7604

1. COMPLIED WITH 150 HR ANNUAL INSPECTION
2. COMPLIED WITH 150, 200, 300 & 400 HR, L/H & R/H ENGINE INSPECTION
3. REPLACED L/H ENGINE IGNITORS WITH NEW P/N CH31547C
4. COMPLIED WITH L/H ENGINE SOAP SAMPLINGS
5. COMPLIED WITH L/H ENGINE OIL CHANGE
6. COMPLIED WITH 600 HR L/H ENGINE "FWD & AFT" PLENUM DRAIN INSPECTION
7. REPLACED L/H FUEL FILTER S WITH NEW P/N 038493-12
8. REMOVED & REINSTALLED L/H ENGINE STARTER GENERATOR AFTER OERHAULED - OVERHAUL PERFORMED BY THE ZEE COMPANY

THIS AIRCRAFT HAS BEEN INSPECTED AND OR REPAIRED IN ACCORDANCE WITH TWIN COMMANDER SUPPORT LIBRARY AND CURRENT FAA REGULATIONS AND IS CONSIDERED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Signed 
Daniel J Hoban AP2670646

TOTALS TO DATE

Signature :

Dan M. Dunn

Dan M. Dunn for FAA CRS: X2ZR927X

FORM: TSL10070B

**NOT FLIGHT CHECK REQUIRED PRIOR TO
RETURN TO SERVICE**

**SOAP SAMPLE REQUIRED WITHIN
25 OPERATING HOURS**

Turbine Standard, Ltd.
10550 Industrial Rd.- Holland, OH - 43528

Aces Aircraft Maintenance

102 Wass Way, Minden, NV 89423
PH (775) 783-4883 Fax (775) 783-4889

LEFT ENGINE LOG ENTRY DATE 7/18/15

N777NV
S/N 11680
MODEL 690C
HOBBS 1535.3
AFTT 6364.1

LEFT ENGINE
S/N P-79682
LETT 7983.6
LETC 7346

1. COMPLIED WITH 150,200,300,400 HR ENGINE INSPECTIONS
2. COMPLIED WITH ENGINE SOAP SAMPLING
3. COMPLIED WITH ENGINE 450 HR FLOW CHECK OF FUEL NOZZLES
4. REPLACED ENGINE IGNITORS WITH NEW P/N CH31547C

THIS ENGINE HAS BEEN INSPECTED AND OR REPAIRED IN ACCORDANCE WITH HONEYWELL TPE331-10T SUPPORT LIBRARY AND CURRENT FAA REGULATIONS AND IS CONSIDERED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Signed 

Daniel J. Hoban AP2670646

Aces Aircraft Maintenance LLC.

102 Wass Way, Minden, NV 89423
PH (775) 783-4883 Fax (775) 783-4889

LEFT PROP LOG ENTRY DATE 1/2/15

N777NV
S/N 11680
MODEL 690C
HOBBS 1372.9
AFTT 6204.4

LEFT PROPELLER
MODEL HC-B3TN-5FL
S/N BVA7911

1. COMPLIED WITH 12 MOS / 400 HR L/H AND R/H PROPELLER INSPECTIONS 

I CERTIFY THAT THE ABOVE WORK PERFORMED ON THIS AIRCRAFT PROPELLER HAS BEEN REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH TWIN COMMANDER AIRCRAFT SUPPORT LIBRARY/MAINTENANCE MANUAL AND/OR HARTZELL PROPELLER CARE MANUAL. THIS PROPELLER IS DETERMINED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE

Signed 

Robert J. Trier AP2848063

Aces Aircraft Maintenance

102 Wass Way, Minden, NV 89423
PH (775) 783-4883 Fax (775) 783-4889

LEFT ENGINE LOG ENTRY DATE 5/26/15

N777NV
S/N 11680
MODEL 690C
HOBBS 1540.1
AFTT 6368.9

LEFT ENGINE
S/N P-79682
LETT 7988.4

1. COMPLIED WITH 900 HR ENGINE OIL CHANGE AND SERVICED WITH 7QTS BP2380
2. REPLACED ENGINE OIL FILTER WITH NEW P/N 1740473

THIS ENGINE HAS BEEN INSPECTED AND OR REPAIRED IN ACCORDANCE WITH HONEYWELL TPE331-10T SUPPORT LIBRARY AND CURRENT FAA REGULATIONS AND IS CONSIDERED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Signed 

Daniel J. Hoban AP2670646

Aces Aircraft Maintenance

102 Wass Way, Minden, NV 89423
PH (775) 783-4883 Fax (775) 783-4889

LEFT ENGINE LOG ENTRY DATE 1/2/15

N777NV
S/N 11680
MODEL 690C
HOBBS 1372.9
AFTT 6204.4

LEFT ENGINE
S/N P-79682
LETT 7782.0
LETC 7212

1. COMPLIED WITH 150 HR ENGINE INSPECTIONS
2. COMPLIED WITH 12 MOS MAG HOUSING CORROSION INSPECTION
3. COMPLIED WITH ENGINE SOAP SAMPLING

THIS ENGINE HAS BEEN INSPECTED AND OR REPAIRED IN ACCORDANCE WITH HONEYWELL TPE 331-10 SUPPORT LIBRARY AND CURRENT FAA REGULATIONS AND IS CONSIDERED IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Signed 
Robert J Trier AP2848063

RECORD

N OF INSPECTIONS, REPAIRS
INSPECTIONS AND REPAIRS WITH N

DESCR

TOT

E

Aces Aircraft Maintenance

102 Wass Way, Minden, NV 89423
PH (775) 783-4883 Fax (775) 783-4889

LEFT ENGINE LOG ENTRY DATE 3/17/15

N777NV
S/N 11680
MODEL 690C
AFTT 6295.1

LEFT ENGINE
S/N P-79682
LETT 7914.6
LETC 7276

1. REPLACED L/H ENGINE SPEED SWITCH WITH NEWLY C/H UNIT P/N 305538-6-1, S/N P-140

THIS ENGINE HAS BEEN INSPECTED AND OR REPAIRED IN ACCORDANCE WITH HONEYWELL TPE 331-10 SUPPORT LIBRARY AND CURRENT FAA REGULATIONS AND IS CONSIDERED IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE.

Signed 
Robert J Trier AP2848063

ENGINE ☐

MODULE ☐

SERIAL NUMBER

CYCL
THI
FLIG

HOURS
THIS
FLIGHT

DATE

PE-3107-51

TURBINE

DIRECTIVE

Engine Serial : 79683

O.A.P.

Honeywell Engines
111 S. ...
Phoenix, AZ
United States-85034

DICK GUTMANN

AERO AIR
2050 N.E. 25TH AVE.
HILLSBORO, OR
United States-97124

SPECTROMETRIC OIL ANALYSIS PROGRAM

For Honeywell
REPORT DATE : 04/10/2014
CONTACT PHONE : 503-640-3711
CONTACT EMAIL : dgutmann@aeroair.com
FAX NUMBER : 503-640-1093ENGINE MODEL : TPE331-10T-511K
AIRCRAFT TYPE : COMMANDER 690C
AIRCRAFT SERIAL : 11680
OIL TYPE : BPTO 2380
SERVICE CONTRACT# :

CURRENT NORMAL SAMPLE. CONTINUE SENDING SAMPLES AT THE RECOMMENDED INTERVAL.

Recommendation Provided By: SYSTEM

LAB DATE 04/10/2014
SAMPLE DATE 04/07/2014
RESP EMP Rick Fenton
TSN 7562
TSO 2640
CYCLES 0
OIL HOURS 279
FILTER HOURS 140
FILTER WEIGHT 7 MGS
RECOMMEND Normal

FILTER RESULTS ANALYSIS PER WORK INSTRUCTIONS MLTC WI 1440.

ST	ST	CB	ST	AL	ST	M50	COPR	SILV	MAGN	ALUM	GRIT	MISC
AMT		TR								TR	MA	
TYPE												
FORM												

LAB CODE : K SAMPLE NUMBER : 13 CONTACT CODE : AEROA

OIL RESULTS ANALYSIS PER WORK INSTRUCTIONS MLTC WI 1437.

FE	CU	NI	CR	AG	MG	AL	PB	BE	S
0.2	0.1	-1	-1	-1	0.3	-1	-1	-0.02	3.54
TAN		WATER		VISCOSITY		RULER		FLASHPOINT	

.....OIL AND FILTER ANALYSIS FINDINGS.....

MAINT PERFORMED : HOT SECTION INSP.
LAB COMMENTS : PMA FILTER.

PREVIOUS NORMAL SAMPLE. CONTINUE SENDING SAMPLES AT THE RECOMMENDED INTERVAL.

Recommendation Provided By: SYSTEM

LAB DATE 05/24/2013
SAMPLE DATE 05/21/2013
RESP EMP Rick Fenton
TSN 7421
TSO 2499
CYCLES 6874
OIL HOURS 137
FILTER HOURS 42
FILTER WEIGHT 6 MGS
RECOMMEND Normal

FILTER RESULTS ANALYSIS PER WORK INSTRUCTIONS MLTC WI 1440.

ST	ST	CB	ST	AL	ST	M50	COPR	SILV	MAGN	ALUM	GRIT	MISC
AMT		TR								TR	MA	
TYPE												
FORM												

LAB CODE : K SAMPLE NUMBER : 1 CONTACT CODE : AEROA

OIL RESULTS ANALYSIS PER WORK INSTRUCTIONS MLTC WI 1437.

FE	CU	NI	CR	AG	MG	AL	PB	BE	S
-0.199	.0885	.5670	-0.0273	.0387	.2178	-0.0273	.3602	-0.0010	2.405
TAN		WATER		VISCOSITY		RULER		FLASHPOINT	

.....OIL AND FILTER ANALYSIS FINDINGS.....

MAINT PERFORMED :
LAB COMMENTS :

PREVIOUS NORMAL SAMPLE. CONTINUE SENDING SAMPLES AT THE RECOMMENDED INTERVAL.

Recommendation Provided By:

LAB DATE 09/16/2008
SAMPLE DATE 09/11/2008
RESP EMP EXPORT-R-EXPORT-R-
RG
TSN 6865
TSO 0
CYCLES 6387
OIL HOURS 465
FILTER HOURS 48
FILTER WEIGHT 9 MGS
RECOMMEND Normal

FILTER RESULTS ANALYSIS PER WORK INSTRUCTIONS MLTC WI 1440.

ST	ST	CB	ST	AL	ST	M50	COPR	SILV	MAGN	ALUM	GRIT	MISC
AMT		TR								TR	MA	
TYPE												
FORM												

LAB CODE : K SAMPLE NUMBER : 16 CONTACT CODE : EXEAZ

OIL RESULTS ANALYSIS PER WORK INSTRUCTIONS MLTC WI 1437.

FE	CU	NI	CR	AG	MG	AL	PB	BE	S
.1	.1	-1	-1	-1	.5	-1	-1	-.02	
TAN		WATER		VISCOSITY		RULER		FLASHPOINT	

.....OIL AND FILTER ANALYSIS FINDINGS.....

MAINT PERFORMED :
LAB COMMENTS :

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Honeywell Zing®
Intelligent Monitoring Network

Right Engine Maintenance Log Entry



Aero Air, LLC

2050 NE 25th Ave. Hillsboro, OR 800-448-2376

N777NV, TCAC 690C, S/N 11680

W.O. MPROP-5497

April 18, 2014

ACTT: 6052.6 hours/hobbs: 1221.2 hours

Right engine S/N P-79683; TSO: 2640.4 hours

Complied with the following scheduled maintenance:

- **150 hour/annual inspection** per Commander Periodic Inspection. AD's researched through 2014-07.
- 150 hour engine SOAP.
- 300 hour engine **fuel manifold purge** filter cleaning.
- 300 hour engine **fuel flow divider** filter cleaning.
- 300 hour engine **plenum drain** valve operational check.
- 300 hour engine **igniters** inspection.
- 300 hour **torque limiter** filter cleaning.

Performed the following maintenance:

- Replaced right engine inboard igniter with a *new* igniter P/N CH31547C.
- Clamped oil cooler door control cables in right engine compartment as needed to prevent chaffing.

APPROVAL FOR RETURN TO SERVICE

Aero Air LLC certifies that this aircraft/engine has been inspected IAW a 150 hour Periodic/Annual Inspection and has been determined to be in an airworthy condition on the above date per the requirements of FAR91.409(f)(3).

Signed,

Inspector, Aero Air LLC, CRS# 09IR003Y
2050 NE 25th Ave. Hillsboro, OR 800-448-2376

N777NV, TCAC 690C, S/N 11680

Oct. 11, 2013

Right Engine, S/N P-79682

This engine is now being maintained per the manufacturer's 150 hour Periodic Inspection program.

Signed,

Inspector, Aero Air LLC, CRS# 09IR003Y
2050 NE 25th Ave. Hillsboro, OR 800-448-2376

AvLab

AVIATION LABORATORIES

Products. Support. Reliability.

910 MARIA STREET
KENNER, LOUISIANA 70062
(504) 469-6751

ACES AIRCRAFT MAINTENANCE
Attn: ROB TRIER
102 WASS WAY

Aircraft: 690
S/N: 11680
Tail No.: N777NV-LH

Date: 1/1/2015
Engine S/N: P79682
Engine Model: 331

MINDEN NV 89423
United States

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours.
See www.avlab.com/explain for detailed explanation of the statistical analysis used with your laboratory results.

CURRENT SAMPLE		** Aviation Laboratories is NOT a Honeywell authorized laboratory facility. **										Normal	Elevated	High
Sample Date: 12/22/2014		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
Analysis Date: 12/24/2014		Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.	
Sample Number: 82		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.4	< 0.1	< 0.1	< 0.1	
Cylinder Type:		(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	
TSN/TSO: 2791.6		*** FILTER ANALYSIS RESULTS ***												
Oil Hours: 429.6		Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.		
Filter Hours: 292.6		Amount:		Trace						Trace	Major			
Oil Added:				0-10%						0-10%	40-100%			
Filter Wt. (mgs): 11		Type:												
Flashpoint(deg. F):		Form:												
H2O (ppm):														
Total Acid No.:														

ments: SAMPLE APPEARS NORMAL. PLEASE CONTACT THE ENGINE MANUFACTURER'S SERVICE REP IF FURTHER ASSISTANCE WITH
LYSIS RESULT INTERPRETATION IS NEEDED.

1. Approving National
Aviation
Authority/Country:
FAA/United States

AUTHORIZED RELEASE CERTIFICATE
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

T.A.C.I.

59190 -10

4. Organization Name
and Address:

Tennessee Aircraft Co. 5005 Market Place, Mt. Juliet, TN 37122 Certificate No. QTFR-573L

5. Work Order/ Contract/Invoice Number:

NA

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Qty.:	11. Serial/Batch Number:	12. Status/Work:
1	Duplex Nozzle Set	3103235-11	N/A	10	See Remarks	OVERHAULED

13. Remarks:

UNIT S/N

#1 1AET1309
#2 1U\$04014
#3 1T\$11380
#4 1U\$04006
#5 1U\$04007
#6 1T\$08810
#7 1U\$03759
#8 1\$05281
#9 1T\$11428
#10 1U\$03763

SHROUD S/N

#1 050416806009
#2 010416809826
#3 010416804206
#4 010416809862
#5 010416803139
#6 010416809859
#7 010416804197
#8 010416809831
#9 010416804223
#10 010416804204

Overhaul and Tested as per Honeywell/Garrett
Fuel Nozzle Assembly Overhaul Manual, Garrett

P/N 3103235, Report No. 73-10-19,

Rev. 1, Jan. 15, 1992

Certifies that the work specified in
block 12/13 was carried out in accordance
with EASA 145 and with respect to that
work the aircraft component is considered
ready for release to service under EASA
Acceptance Certificate Number EASA 145.5691

19.



14 CFR 43.9 Return to Service



Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work
identified in Block 12 and described in Block 13 was
accomplished in accordance with Title 14, Code of Federal
Regulations, part 43 and in respect to that work, the items are
approved for return to service.

20. Authorized Signature:

22. Name (Typed or Printed):

21. Approval/
Certificate No.:

QTFR573

23. Date (m/d/y):

11/14/2013

1. Approving National Aviation
Authority/Country:
FAA/United States

AUTHORIZED RELEASE CERTIFICATE
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
890003510752Y14
8002640512-40

4. Organization Name and Address: Honeywell International Inc
111 South 34th Street
Phoenix AZ 85072

Production Approval
PC413NM

Honeywell International Inc
1944 E Sky Harbor Circle
PHOENIX AZ 85034

5. Work Order/Contract/Invoice Number:
13-3021
Page 1 of 1

6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial / Batch Number:	12. Status / Work:
001	GASKET OP	3108138-5	N/A	2	N/A	NEW

13. Remarks :
AIRWORTHINESS APPROVAL

SERIALIZATION NOT REFERENCED IN BLOCK 11 IS NOT REQUIRED OR
TRACEABLE BY HONEYWELL INTERNATIONAL INC. REFERENCE FAA ORDER
8130.21

14. Certifies the items identified above were manufactured in conformity to:

- ☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 13.

15. Authorized Signature:

Gabriela Capatina

16. Approval/Authorization No.:

ODA-602216-NM

17. Name (Typed or Printed):

Gabriela Capatina

18. Date (m d y):

JUN 17 2013

19. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

20. Authorized Signature:

21. Approval/Certificate No.:

22. Name (Typed or Printed):

23. Date (m d y):

It is important to understand that the existence of this document alone does not automatically
accordance with national regulations of an airworthiness approval.

User / Installer Responsibilities

Aviation	2. AUTHORIZED RELEASE CERTIFICATE				3. Form Tracking Number: 890003510755Y14 8002640512-70	
States	FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG					
and Address: Honeywell International Inc 111 South 34th Street Phoenix AZ 85072		Production Approval PC413NM		Honeywell International Inc 1944 E Sky Harbor Circle PHOENIX AZ 85034		
				5. Work Order/Contract/Invoice Number: 13-3021 Page 1 of 1		
		8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial / Batch Number:	12. Status / Work:
RLR TURB		3108098-1	N/A	2	13-162111-06589 See Continuation	NEW

PROVAL

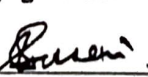
Number(s) (Continued):

identified above were manufactured in conformity to:

19. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13
Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.
21. Approval/Certificate No.:

National Aviation Country:		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 000303674	
Name and Address:		HONEYWELL INTERNATIONAL INC 111 SOUTH 34th STREET PHOENIX AZ 85072			B/E AEROSPACE CONSUMABLES MANAGEMENT 480 N. 54TH STREET, SUITE 8 CHANDLER, AZ 85226	
		PRODUCTION APPROVAL: PC413NM			5. Work Order/Contract/Invoice Number: 8EJNL3 001 Page 1 of 1	
Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
	3108066-1	N/A	4 EA	Lot#: 2013A12588 Mlot# 54499	NEW	

NESS APPROVAL
 MENT AUTHORIZATION
 # 000792374

Items identified above were manufactured in conformity to:		19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13	
approved design data and are in a condition for safe operation. approved design data specified in Block 13.		Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
Signature: 	16. Approval/Authorization No.: ODA-602216-NM	20. Authorized Signature:	21. Approval/Certificate No.:
d or Printed): ain	18. Date (m d y): FEB 18 2013	22. Name (Typed or Printed):	23. Date (m d y):

User/Installer Responsibilities

understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

1. Approving National Aviation
Authority/Country:

FAA/United States

2.

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

890002697403Y14

8001746373-120

4. Organization Name and Address: Honeywell International Inc
111 South 34th Street
Phoenix AZ 85072

Production Approval
PC413NM

Honeywell International Inc
1944 E Sky Harbor Circle
PHOENIX AZ 85034

5. Work Order/Contract/Invoice Number:

MP4394

Page 1 of 1

6. Item: 7. Description:

001 PIN RTNR 2STG STATOR

8. Part Number:

3103243-2

9. Eligibility:

N/A

10. Quantity:

10

11. Serial / Batch Number:

N/A

12. Status / Work:

NEW

13. Remarks :
AIRWORTHINESS APPROVAL

SERIALIZATION NOT REFERENCED IN BLOCK 11 IS NOT REQUIRED OR
TRACEABLE BY HONEYWELL INTERNATIONAL INC. REFERENCE FAA ORDER
8130.21

CERTIFIED COPY

This is a true, complete photocopy.
Original will be maintained at this
place of business.

Insp. JH Date: 6-18-2013

2 of 2 6-18-13

CERTIFIED COPY

This is a true, complete photocopy.
Original will be maintained at this
place of business.

Insp. WY Date: 6-6-12

2 of 10 WY 6-18-12

14. Certifies the items identified above were manufactured in conformance with:



Approved design

CUSTOMS INVOICE/PACKING SHEET



SHIPPER: KAPCO
3120 E. ENTERPRISE
BREA, CA 92821

UPC VENDOR	INVOICE NO.	ON DOCK
000000	3616607-00	
PROMISED	REQUEST	SHIPPED
06/28/13	06/17/13	
CUSTOMER P.O.		

2362
LLC
COUNTS PAYABLE DEPT
25TH AVENUE
O. OR 97124 US

SHIP TO: AERO AIR LLC
PORTLAND-HILLSBORO AIRPORT
2050 NE 25TH AVENUE

FORWARD TO:

HILLSBORO, OR 97124 US
Pref. Routing FX PRIOR-AM

BER	ITEM NO.	PART NUMBER	ICN No.	QTY	UOM	UNIT PRICE	TOTAL VALUE	COUNTRY OF ORIGIN	QUANTITY ORDERED	QUANTITY B.O.	QUANTITY SHIPPED
	4	868892-5		1.00	EA				1.00	0.00	1.00
		Desc: GASKET "AB" PCAT: H11Q Revision: AB	ASL Rev "AA"								
		S/L: N/A INSP BY: B. Palacios 06/28/2013	310908	1.00		D/M: 3Q2012		US			
	5	865106-3		4.00	EA				4.00	0.00	4.00
		Desc: GASKET "C" PCAT: H11Q Revision: C									
		S/L: 5 YRS PER MFR. INSP BY: B. Palacios 06/28/2013	278668	4.00		Cure: 2Q2011		US			

Serial : 79683

GUTMANN
AIR
E. 25TH AVE.
BORO,OR
States-97124

S.O.A.P. SPECTROMETRIC OIL ANALYSIS PROGRAM

For Honeywell
REPORT DATE : 05/24/2013
CONTACT PHONE : 503-640-3711
CONTACT EMAIL : dgutmann@aeroair.com
FAX NUMBER : 503-640-1093

Honeywell Engines & Systems **Honeywell**
111 S. 34th Street
Phoenix, AZ
United States-85034

ENGINE MODEL : TPE331-10T-511K
AIRCRAFT TYPE : COMMANDER 690C
AIRCRAFT SERIAL : 11680
OIL TYPE : BPTO 2380
SERVICE CONTRACT# :

CURRENT NORMAL SAMPLE. CONTINUE SENDING SAMPLES AT THE RECOMMENDED INTERVAL.

Recommendation Provided By: SYSTEM

FILTER RESULTS ANALYSIS PER WORK INSTRUCTIONS MLTC WI 1440.													
	ST	ST	CB	ST	AL	ST	M50	COPR	SILV	MAGN	ALUM	GRIT	MISC
AMT			TR								TR	MA	
TYPE													
FORM													

LAB CODE : K SAMPLE NUMBER : 1 CONTACT CODE : AEROA

OIL RESULTS ANALYSIS PER WORK INSTRUCTIONS MLTC WI 1437.									
FE	CU	NI	CR	AG	MG	AL	PB	BE	S
.0199	.0885	.5670	-.0273	.0387	.2178	-.0273	.3602	-.0010	2.405
TAN		WATER		VISCOSITY		RULER		FLASHPOINT	

.....OIL AND FILTER ANALYSIS FINDINGS.....

GS
mal
MAINT PERFORMED :
LAB COMMENTS :

PREVIOUS NORMAL SAMPLE. CONTINUE SENDING SAMPLES AT THE RECOMMENDED INTERVAL.

Recommendation Provided By:

FILTER RESULTS ANALYSIS PER WORK INSTRUCTIONS MLTC WI 1440.													
	ST	ST	CB	ST	AL	ST	M50	COPR	SILV	MAGN	ALUM	GRIT	MISC
AMT				TR							TR	MA	
TYPE													
FORM													

LAB CODE : K SAMPLE NUMBER : 16 CONTACT CODE : EXEAZ

OIL RESULTS ANALYSIS PER WORK INSTRUCTIONS MLTC WI 1437.									
FE	CU	NI	CR	AG	MG	AL	PB	BE	S
.1	.1	-1	-1	-1	.5	-1	-1	-.02	
TAN		WATER		VISCOSITY		RULER		FLASHPOINT	

.....OIL AND FILTER ANALYSIS FINDINGS.....

S
mal
MAINT PERFORMED :
LAB COMMENTS :

PREVIOUS NORMAL SAMPLE. CONTINUE SENDING SAMPLES AT THE RECOMMENDED INTERVAL.

Recommendation Provided By:

FILTER RESULTS ANALYSIS PER WORK INSTRUCTIONS MLTC WI 1440.													
	ST	ST	CB	ST	AL	ST	M50	COPR	SILV	MAGN	ALUM	GRIT	MISC
AMT				TR							TR	MA	
TYPE													
FORM													

LAB CODE : K SAMPLE NUMBER : 50 CONTACT CODE : EXEA1

OIL RESULTS ANALYSIS PER WORK INSTRUCTIONS MLTC WI 1437.									
FE	CU	NI	CR	AG	MG	AL	PB	BE	S
-.1	-.1	-1	-1	-1	1.2	-1	1	-.02	
TAN		WATER		VISCOSITY		RULER		FLASHPOINT	

.....OIL AND FILTER ANALYSIS FINDINGS.....

No Filter/No Filter Analysis

GS
al
MAINT PERFORMED :
LAB COMMENTS :

- 2500 hour engine **Hot Section Inspection** per EMM.
- Annual magnesium housings corrosion inspection.

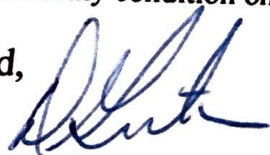
Complied with the following maintenance:

- Engine removed and reinstalled in same position following Hot Section Inspection.
- Replaced turbine bearing with a *new* bearing P/N 3108098-1, S/N 13-162111-06603 (AD2011-18-51R1 is not applicable to this bearing).
- Replaced 4 segmented shrouds with *new* shrouds P/N 3103128-2, S/N none.
- Replaced two curvic gaskets with *new* gaskets P/N 868892-6, S/N none.
- Replaced left engine turbine bearing seal with a *new* seal P/N 896494-3, S/N 13-152826-34117.
- Replaced left engine turbine bearing seal rotor with a *new* rotor P/N 896549-2, S/N none.
- Replaced turbine scavenge oil pump spur gearshaft with a *new* gearshaft P/N 3101671-2, S/N none.
- Replaced all seven second stator retention pins with *new* pins P/N 3101769-1.
- Performed lebow (torque output test)- new torque calibration numbers are as follows:
 - 2300 in. lbs. = 17.0 PSID (58 HP)
 - 27,7300 in.lbs. = 59.5 PSID (700 HP)

APPROVAL FOR RETURN TO SERVICE

Aero Air LLC certifies that this engine has been inspected IAW a 150 hour Periodic/Annual Inspection and has been determined to be in airworthy condition on the above date per the requirements of FAR91.409(f).

ed,



Inspector, Aero Air LLC, CRS# 09IR003Y
2050 NE 25th Ave. Hillsboro, OR 800-448-2376

February 7, 2012

Mather Aviation LLC

N777NV
TPE331-10T-511K, s/n P-79682
w.o. 418526

Mather Field, CA
CRS# PCPR439B
Ph. 916.364.4711

ACTT: 5825.0 Eng. TSN: 7444.5 hrs. CSN:

This is a permanent part of the **Left Engine Records**. Pertinent details of the work performed are on file at this Repair Station. Work performed in accordance with Twin Commander Maintenance Manual p/n M690004-2 and Honeywell TPE331-10 Report No. 72-00-29.

1. Completed a **Phase C Inspection** in accordance with Twin Commander Maintenance Manual p/n M690004-2, ch. 05-30-02.

Technician(s): A. Sarlis, D. Zagami

I certify that this engine has been inspected in accordance with Twin Commander **Phase C Inspection** requirements, and was determined to be in airworthy condition. The aircraft and / or component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service.

Inspector: 

S. Heller for CRS# PCPR439B

April 5, 2012

1031.8 ~~4065~~

Mather Aviation LLC

N777NV
TPE331-10T-511K, s/n P-79682
w.o. 418682

Mather Field, CA
CRS# PCPR439B
Ph. 916.364.4711

ACTT: 5869.8 Eng. TSN: 7489.3 hrs. CSN: 6990 TSO: 2457.6 CSO: 2471

This is a permanent part of the **Left Engine Records**. Pertinent details of the work performed are on file at this Repair Station. Work performed in accordance with Twin Commander Maintenance Manual p/n M690004-2 and Honeywell TPE331-10 Report No. 72-00-29.


1. Completed a **Phase D Inspection** in accordance with Twin Commander Maintenance Manual p/n M690004-2, ch. 05-30-04.

Technician(s): A. Sarlis, R. Nielson, D. Zagami

I certify that this engine has been inspected in accordance with Twin Commander **Phase D Inspection** requirements, and was determined to be in airworthy condition. The aircraft and / or component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service.

Inspector: 

S. Harmon for CRS# PCPR439B

DATE	09/15/11	EL AERO SERVICES	AIRCRAFT	N777NV
WO#	13469	CRS# AQHD225C	SN	11680
FAA APPROVED REPAIR STATION				
Hobbs:	883.4	Left Engine	Starts:	N/A
Tach:	N/A		AFTT:	5722.1
1	Completed Phase A Inspection per Twin Commander Inspection Checklist			
2	AD's checked through Bi-Weekly 2011-22, none new due.			
3	Lubed Controls as needed.			
4	150 hour Inspection due next B Check.			
5	Post Maintenance Ops Checks Satisfactory.			
6				
7				
8				
9				
10				
I certify that this Aircraft/Component has been inspected in accordance with current FAA regulations and procedures and was determined to be in an airworthy condition.				
The aircraft and/or component identified above was repaired and/or inspected IAW FAA regulations and is approved for return to service. Pertinent details are on file at this agency under WO# 13469				
Signed:  Ronald W. Murray, Chief Inspector CRS AQHD225C				

December 7, 2011

Mather Aviation LLC

N777VN
Honeywell TPE331-6-511B, s/n P79682C
W/O# 418357
CRS# PCPR439B
Mather, CA
Ph. 916.364.4711


ACTT: 5774.5 Eng. TSN: 7394.0 hrs. CSN: 6753 TSO:2362.3 CSO: 2240

This is a permanent part of the Left Engine Records. Pertinent details of the work performed are on file at this Repair Station. Work performed in accordance with Garrett TPE331-10 report No. 72-00-29,

1. Complied with Phase B Inspection in accordance with Twin Commander Maintenance Manual p/n M690004-2 in accordance with Chapter 05-30-02.
2. Complied with 150 hour, 200 hour, 300 hour and 400 hour Inspections and service items in accordance with Garrett TPE331-10 report No. 72-00-29, Chapter 72 -00-00 Table 601, Periodic Inspection Table.
3. Complied with 450 hour fuel nozzle and fuel manifold assembly functional checks by removal and re-installation following functional checks by CRS# QTFR573L, in accordance with Garrett TPE331-10 report No. 72-00-29, Chapter 72-00-00 Table 601, Periodic Inspection Table.
4. Complied with 900 hour oil changes in accordance with Garrett TPE331-10 report No. 72-00-29, Chapter 72-00-00 Table 601, Periodic Inspection Table.
5. Complied with Annual Inspection of Magnesium Housing corrosion inspections in accordance with Garrett TPE331-10 report No. 72-00-29, Chapter 72-00-00 Table 601, Periodic Inspection Table and found within Chapter 72-10-09, 72-10-13 and 72-10-20 limits.

Technician(s): I. Weissbart, M. Gavriluk, A. Sarlis, J. Hampton, K. Julian

I certify that this aircraft has been inspected in accordance with Twin Commander 690C Phase B Inspection requirements, and was determined to be in airworthy condition. The aircraft and / or component identified above were repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service.

Inspector: 
S.A. Wilbur for CRS # PCPR439B

December 7, 2011

Mather Aviation LLC

N777VN
Honeywell TPE331-6-511B, s/n P79682C
W/O# 418357
CRS# PCPR439B
Mather, CA
Ph. 916.364.4711

ACTT: 5774.5 Eng. TSN: 7394.0 hrs. CSN: 6753 TSO:2362.3 CSO: 2240

This is a permanent part of the Left Engine Records. Pertinent details of the work performed are on file at this Repair Station. Work performed in accordance with Garrett TPE331-10 report No. 72-00-29.

1. Replaced both ignition igniters p/n CH31547C.

Technician(s): I. Weissbart, M. Gavriluk, A. Sarlis, J. Hampton, K. Julian

The aircraft and / or component identified above were repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service.

Inspector: 
S. Heller for CRS # PCPR439B

DATE	03/11/11	EL AERO SERVICES	AIRCRAFT	N777NV
WO#	13386	CRS# AQHD225C	SN	11680
FAA APPROVED REPAIR STATION				
Hobbs:	744.3	Right Propeller		
Tach:		Left Engine	AFTT: 5583.4	
1	Completed Phase "B" Inspection per Twin Commander 690C Maintenance Manual Checklist.			
2	Completed AD check through Bi-Weekly 2010-9, None new found due.			
3	Post Maintenance Leak and Ops Checks Satisfactory.			
4				
5				
6				
7				
8				
9				
10				
I certify that this Aircraft/Component has been inspected in accordance with current FAA regulations and procedures and was determined to be in an airworthy condition.				
The aircraft and/or component identified above was repaired and/or inspected IAW FAA regulations and is approved for return to service. Pertinent details are on file at this agency under WO# 13386				
Signed: <i>Ronald W. Murray</i> Ronald W. Murray, Chief Inspector CRS AQHD225C				

DATE	04/28/11	EL AERO SERVICES	AIRCRAFT	N777NV
WO#	13407	CRS# AQHD225C	SN	11680
FAA APPROVED REPAIR STATION				
Hobbs:	704.4	Left Engine		
Tach:			AFTT: 5623.1	
1	Completed Phase "C" Inspection per Twin Commander 690C Inspection Checklist.			
2	Post Maintenance Leak and Ops Checks Satisfactory.			
3				
4				
5				
6				
7				
8				
9				
10				
I certify that this Aircraft/Component has been inspected in accordance with current FAA regulations and procedures and was determined to be in an airworthy condition.				
The aircraft and/or component identified above was repaired and/or inspected IAW FAA regulations and is approved for return to service. Pertinent details are on file at this agency under WO# 13407				
Signed: <i>Ronald W. Murray</i> Ronald W. Murray, Chief Inspector CRS AQHD225C				

DATE	4/16/11	NEVADA DEPARTMENT OF	AIRCRAFT	N777NV
HOBBS		TRANSPORTATION	SN	11680
AFTT	775.4 / 5614.5			
1	Replace OIL FILTER BYPASS VALVE 910R183 And New O-RING			
2	M8324-1-016, M8324-1-014, LEAK CK OK			
3				
4				
5				
6				
7				
8				
9				
10				
11				
I certify that this Aircraft/Component has been inspected in accordance with current FAA regulations and procedures and was determined to be in an airworthy condition. The aircraft and/or component identified above was repaired and/or inspected IAW FAA regulations and is approved for return to service.				
Signed: <i>Brian Blodgett</i> Brian W. Blodgett AEP557866449				

DATE	07/21/11	EL AERO SERVICES	AIRCRAFT	N777NV
WO#	13443	CRS# AQHD225C	SN	11680
FAA APPROVED REPAIR STATION				
Hobbs:	828.6	Left Engine	Starts:	N/A
Tach:			AFTT:	5667.3
1	Completed Phase "D" Inspection per Twin Commander 690C Maintenance Manual.			
2	AD's Checked through Bi-Weekly 2011-24, None New due.			
3	Post Maintenance Leak and Ops Checks Satisfactory during ground maintenance Engine Run.			
4				
5				
6				
7				
8				
9				
10				
I certify that this Aircraft/Component has been inspected in accordance with current FAA regulations and procedures and was determined to be in an airworthy condition.				
The aircraft and/or component identified above was repaired and/or inspected IAW FAA regulations and is approved for return to service. Pertinent details are on file at this agency under WO# 13443				
Signed: <i>Ronald W. Murray</i> Ronald W. Murray, Chief Inspector CRS AQHD225C				

SERVICE RECORD

TE 12/30/10 EL AERO SERVICES AIRCRAFT N777NV
13361 CRS# AQHD225C SN 11680

FAA APPROVED REPAIR STATION
Right Engine


ns: 698.6 AFTT: 5537.7

Completed Phase "A" inspection per Gulfstream Commander 690C Maintenance Manual.
Post Inspection Leak and Ops Checks Satisfactory.

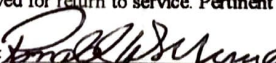
that this Aircraft/Component has been inspected in accordance with current FAA regulations
cedures and was determined to be in an airworthy condition.

ft and/or component identified above was repaired and/or inspected IAW FAA regulations and is
for return to service. Pertinent details are on file at this agency under WO# 13361

[Signature]
Murray, Chief Inspector CRS# AQHD225C

DATE	10/05/10	EL AERO SERVICES	AIRCRAFT	N777NV
WO#	13314	CRS# AQHD225C	SN	11680
FAA APPROVED REPAIR STATION Right-Engine LH				
Hobbs:	650.3	AFTT: 5489.4		
1	Completed Phase D Inspection per Aero Commander 690C Maintenance Manual.			
2	AD's Checked through Bi-Weekly 2010-18, None new found due.			
3	Post Maintenance Leak and Ops Checks Satisfactory.			
4				
5				
6				
7				
8				
9				
10				
I certify that this Aircraft/Component has been inspected in accordance with current FAA regulations and procedures and was determined to be in an airworthy condition.				
The aircraft and/or component identified above was repaired and/or inspected IAW FAA regulations and is approved for return to service. Pertinent details are on file at this agency under WO# 13314				
Signed:  Ronald W. Murray, Chief Inspector CRS/AQHD225C				

**S CERTIFIES THAT THE TYPE OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORDANCE WITH THE MANUFACTURER'S INSPECTION INSTRUCTIONS
AS DEFINED IN CURRENT APPLICABLE MAINTENANCE MANUAL.**

DATE	10/20/09	EL AERO SERVICES	AIRCRAFT	N777NV
WO#	13140	CRS# AQHD225C	SN	11690
FAA APPROVED REPAIR STATION				
		Left Engine		
Hobbs:	473.9	S/N: P-79682	AFTT:	5,312.6
1	Completed 150 hour Periodic Inspection per Twin Commander 690C Maintenance Manual, Rev 4.			
2	Completed 12 month Corrosion Inspection, No Defects Noted.			
3	Inspection Program changed from Periodic Inspection Cycle to the Phased Inspection program this			
4	Date and Time per Twin Commander Maintenance Manual.			
5	Next Inspection due is Phase "A" at Hobbs time: 523.9 hrs./ AFTT: 5362.6 hrs.			
6	Specific Fixed Time Inspections & Life Limited Items have been incorporated in this program.			
7	Post maintenance Leak and Ops Checks Satisfactory. All work performed per Twin Commander 690C			
8	Maintenance Manuals.			
9				
10				
I certify that this Aircraft/Component has been inspected in accordance with current FAA regulations and procedures and was determined to be in an airworthy condition.				
The aircraft and/or component identified above was repaired and/or inspected IAW FAA regulations and is approved for return to service. Pertinent details are on file at this agency under WO# 13140				
Signed:  Ronald W. Murray, Chief Inspector CRS AQHD225C				