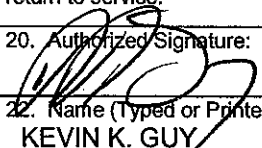


1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number. 237524	
4. Organization Name and Address. Garrett Aviation Services 10 Hangar Road Augusta, GA 30906				5. Work Order, Contract, or Invoice Number: 237524		
6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
001	TPE331-10UA-511G	3103230-1	N/A	1	P-54218	REPAIRED

13. REMARKS

CW A 7000 HOUR CAM INSPECTION. INSTALLED ON DYNO AND CW WITH ALL REQUIRED RUNS, INCLUDING, VIBRATION SURVEY, LEBOW TORQUE CALIBRATION, LEAK CHECKS, OPS CHECKS, E.G.T RECOMPENSATION, DRAINED ENGINE OIL AND PREPARED FOR SHIPMENT I/AW THE TPE331-10 MM 72-00-23 REV 14, MAY 13/94 AS PER S/B 72-0180 REV 31. TSN:23832.6 CSN:33604
WARNING. FUEL SYSTEM PRESERVED. DEPRESERVATION PROCEDURES MUST BE PERFORMED I/AW THE MAINTENANCE MANUAL.

I certify that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that work the aircraft component is considered ready for release to service under EASA Approval certificate number EASA.145.4973.

14. Certifies the item identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13		19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> 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 with Title 14, Code of Federal Regulations, part 43 and in respect to the work, the items are approved for return to service.	
15. Authorized Signature:	16. Approval Authorization No:	20. Authorized Signature: 	21. Approval/Certificate No: GW4R221M
17. Name (Type or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed): KEVIN K. GUY	23. Date (m/d/y): 02/12/2008

User/Installer Responsibilities

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs works in accordance with the national regulations of an airworthiness authority different than the Airworthiness Authority of the country specified in Block 1 it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification as required in accordance with the national regulation by the user/installer before the aircraft may be flown.

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*****
* LANDMARK AVIATION                GARRETT MODEL-TPE331-10UA-511G *
* AUGUSTA, GA RS# GW4R221M        DATE 02/12/08                *
* WORK ORDER 237524                *
*
* DSC-8640 REV. D                  ENGINE S/N P-54218      *
* TIME 10:00:48.00                PART 3103230-1        *
*-----*
* THERMODYNAMIC PERFORMANCE        ( SPEC /                *
* TAKEOFF/MAXIMUM CONTINUOUS        (REQUIRED /CORRECTED *
*-----*
* SHAFT POWER OUTPUT                SHP ( 1000. / 1031. *
*                                     ( /                *
* PROPELLER SHAFT SPEED             RPM ( 2000. / 2000. *
*                                     ( /                *
* SPECIFIC FUEL CONSUMP LB/SHP/HR AT 1000. SHP ( 0.575 / 0.547 *
*                                     ( /                *
* COMPENSATED MEASURED TURBINE       DEG F ( 1049. / 1049. *
* DISCHARGE TEMPERATURE             DEG C ( 565. / 565. *
*-----*
* DELP (PSID ) AT 3000.0 TORQUE     / 16.9 *
* DELP (PSID ) AT 26470.0 TORQUE    / 51.8 *
*-----*
* TT5 COMPENSATION -71. DEG F -39. DEG C *
*
* COMPENSATOR PART NO 897476        SETTING NO 76        *
*-----*
* (( I SIGNATURE DATE *
* ((-----I-----*
* (( TEST I *
* (( LABORATORY I Steven Everen (L 55) 2/13/08 *
* ((-----I-----*
* (( QUALITY I *
* (( ASSURANCE I [Signature] 2/13/08 46/28 *
**PN 3000087-3*****[320-0403-453]**

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DATA CORRECTED TO STANDARD SEA-LEVEL CONDITIONS.

CORRECTED DATA FOR CUSTOMER INFORMATION ONLY. For Repaired Engine

02/10/05 4.53 10:29:09 02/12/08

WO. No. 237524
 Serial No P-54218
 Date 2/13/2008

Model: TPE331-10UA-511G

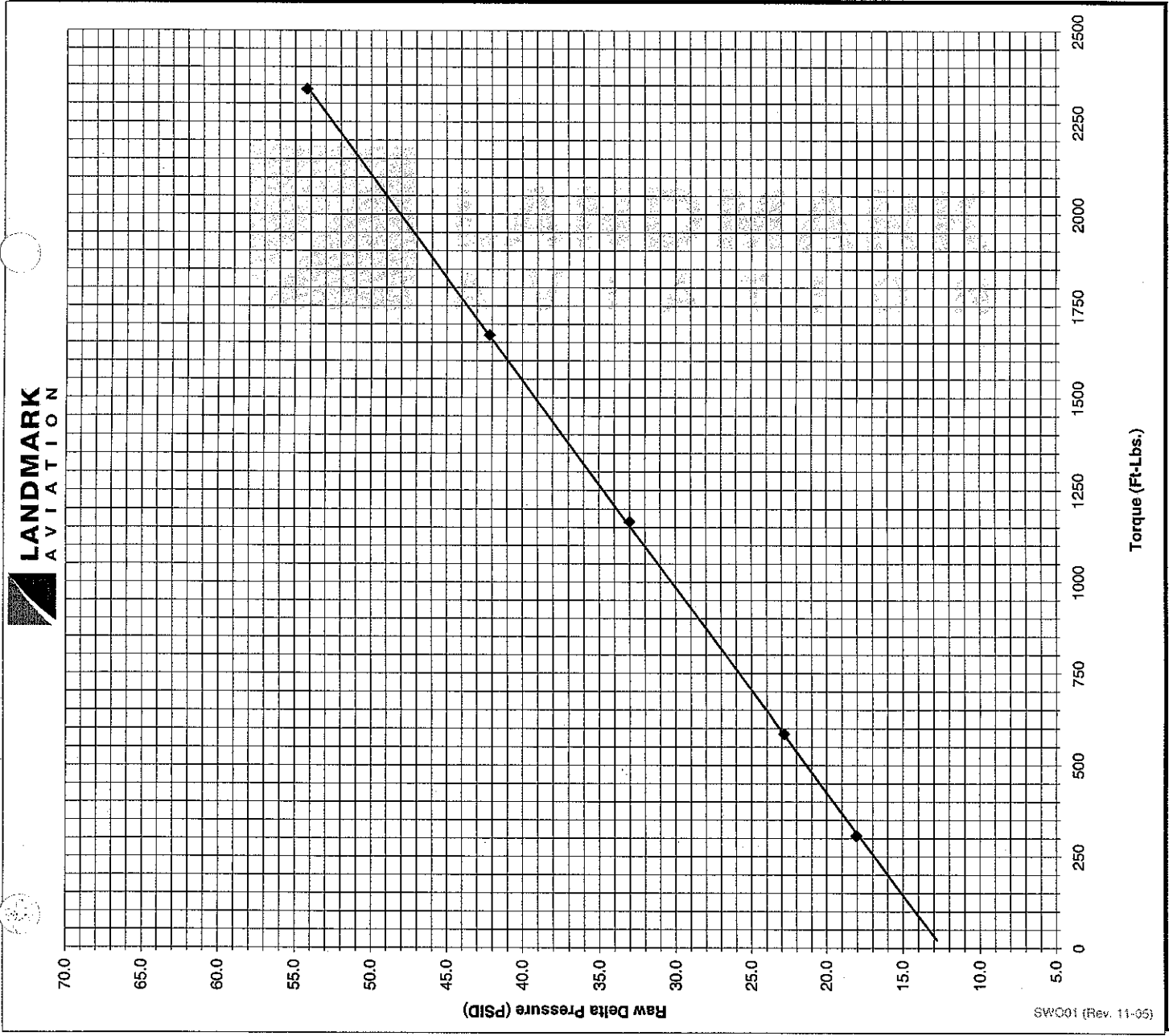
Point	Torque (Ft-lbs)	Raw (PSID)	Raw (PSI)	Case Neg. (- IN.HG.)
1	307	18.0	15.9	4.37
2	585	22.8	20.7	4.34
3	1165	33.0	30.9	4.25
4	1671	42.2	40.1	4.24
5	2339	54.2	52.2	4.17
6		0.0		
7		0.0		
8		0.0		

Calibration Points:

Point	Torque (Ft-lbs)	Raw PSID
1	250.0	16.9
2	2205.8	51.8
3	2468.0	56.4

Lab Tech. *Steven Erickson* 55

QA *[Signature]*



Engine Status Record

Engine Model Number TPE331-10UA-511G 3103230-1	Serial NUMBER 54218	Work Order 237524	Date 2/12/2008	Engine Hours 23832.6	Engine Cycles 33604
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Engine P/N: 3103230-1

Engine Hours Since Overhaul:	Engine Cycles Since Overhaul:
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ROTATING GROUP COMPONENTS

PART NAME	PART NUMBER	SERIAL NUMBER	CYCLE LIMIT	CYCLES USED	CYCLES REMAINING
1st Compressor	3108182-2	5-03501-5259	30000	3803	26197
1st T-Rotor	3107079-1	8-03229-1125	20000	7838	12162
2nd T-Rotor	3102106-10	950134517015	15000	2906	12094
3rd T-Rotor	3102655-2	070134512366	6000	0	6000
Seal Plate	3102483-1	0-03501-5011	20000	7838	12162

HOURLY LIMITED COMPONENTS

DESCRIPTION	PART NUMBER	SERIAL NUMBER	HOUR LIMIT	TOTAL HOURS	HOURS REMAINING
Compressor Bearing	3103708-1	MS010633109495	9000	811.6	8188.4
Turbine Bearing	3108098-1	070633124731	7000	0.0	7000.0
Fuel Control	897801-18	1115282	7000	0.0	7000.0
Fuel Pump	897400-5	P-39470	7000	0.0	7000.0
Fuel Shut-Off valve	394230-9-1	P-3383	7000	0.0	7000.0
Prop. Governer	893651-17	1702535	7000	0.0	7000.0
Prop. Pitch Control	869130-19	P-146346	7000	0.0	7000.0
Torque/Temp. Limiter	N/A TO AC		7000		



Authorized Signature

[Handwritten Signature]

AC
28

for CRS: GW4R221M

Garrett Aviation Services

1550 Hangar Road: Bush field Airport: Augusta, GA 30906-9684
 FAA Repair Station No. GW4R221M: Telephone (706) 793-5600, FAX (706) 793-0469

Date: 02/12/2008 Engine S/N: P-54218 Total Time: 23832.6 Total Cycles: 33604

Engine Model: TPE331-10UA-511G Engine P/N: 3103230-1 Power Group P/N: 3103550-11

The following inspection(s) have been accomplished I/A/W the current 331 Manuals:

3500 HOUR HOT SECTION INSPECTION @23832.6	3500 HOUR GEARBOX INSPECTION @23832.6	7000 HOUR CAM/OVERHAUL INSPECTION @23832.6	12 MONTH CORROSION INSPECTION @02/2008	3700HR. FUEL CONTROL & FUHL PUMP INTEGRITY INSPECTION @23832.6	1000HR. FUEL PUMP SPLINE INSPECTION @N/A
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NEXT T.B.O. INSPECTION INTERVALS DUE AT:

27332.6	27332.6	30832.6	02/2009	27532.6	N/A
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All service bulletins and airworthiness directives accomplished at this time are listed in the appropriate sections of this logbook. Parts replaced are listed on the following page(s). Life limit cards when required for parts installed are found in the appropriate sections of this logbook.

C/W	Performance Run
C/W	Lebow Procedure
C/W	Vibration Survey
C/W	Oil has been drained
N/A	Oil has been drained and serviced with N/A
DUE	S.O.A.P. sample to be taken after initial 25 eng. operating hrs. (23857.6)

N/A=not applicable C/W=completed with DUE=to be done at time specified

"Engine is configured for 7000 hour CAM or TBO operation with or without 3500 hour gearbox inspection I/A/W S/B 72-0180 REV 31."
 NEW BETA TUBE P/N 866533-3 S/N 07P28329 SHIPPED WITH ENGINE.
WARNING FUEL SYSTEM PRESERVED. PRESERVATION PROCEDURES MUST BE PERFORMED I/A/W MAINTENANCE MANUAL.

Disassembled this engine as required to C/W 7000 HOUR CAM INSPECTION I/A/W THE TPE331-10 MM 72-00-23 REV 14, MAY 13/94 AS PER S/B 72-0180 REV 31.

ENGINE IS CONFIGURED FOR 7000 HOUR CAM OPERATION. I certify this engine has been inspected and work described above found airworthy for return to service per FAR 91.409(F), (3).
 Details on file under W/O 237524.


 GARRETT AVIATION SERVICES

for

N.T.S. TEST FLIGHT REQUIRED BEFORE RETURN TO SERVICE.

(CONTINUED)

Parts Change Record

Date 2/12/2008

Work Order 237524
Engine Serial Number P 54218

QTY	NOMENCLATURE	PART NUMBER	PART SERIAL
8 (NEW)	CONTROL ROD END	137-515-9003	N\$N
1 (NEW)	SUN GEAR	3101144-7	07P12895
1 (NEW)	2ND STAGE NOZZLE ASSEMBLY	3101513-17	070134508891
1 (NEW)	3RD STAGE STATOR ASSY	3101515-6	070134507889
1 O/H	INNER TRANSITION LINER	3101524-5	N\$N
1 (NEW)	SCAVENGE PUMP COVER	3101588-1	N\$N
1 O/H	TORQUE SENSOR ASSEMBLY	3101726-3	P-407283
1 (NEW)	TORSION SHAFT	3101758-6	07P26784
1 (REPR)	OUTPUT HOUSING	3101782-1	9-13021-1459
1 (REPR)	1ST STAGE COMPRESSOR SHROUD	3101829-2	N\$N
1 (NEW)	SEAL RING	3101874-1	N\$N
1 (REPR)	2ND STAGE COMPRESSOR HOUSING	3102022-4	7P-226D4
1 (NEW)	COUPLER SPRING	3102049-2	N\$N
1 O/H	2ND STAGE TURBINE ROTOR DISK	3102106-10	95-01345-07015
1 (REPR)	DESWIRL VANE	3102173-2	N\$N
1 (NEW)	3RD STAGE TURBINE ROTOR DISK	3102655-2	070134512366
12 (NEW)	1ST STAGE SHROUD SEGMENT	3103128-3	N\$N
1 (NEW)	SEAL RING	3103165-1	N\$N
1 (NEW)	OIL PRESSURE PUMP ASSY	3103217-4	071405701477
7 (REPR)	FUEL NOZZLE	3103235-9/11	SET # 27
1 O/H	CROSSOVER DUCT	3103496-3	N\$N
1 (NEW)	TACH DRIVE INSERT	3103606-1	N\$N
8 (NEW)	1ST STAGE NOZZLE SEGMENT	3103820-4	N\$N
1 (NEW)	STARTER DRIVE INSERT	3103828-1	N\$N
1 (NEW)	AFT CURVIC	3103906-1	070350101776
1 (NEW)	EGT HARNESS	3103920-1	072021908210
1 (NEW)	TURBINE BEARING RETAINER	3103969-1	N\$N
1 (NEW)	COMPRESSOR SEAL/ROTOR KIT	3107051-5	N\$N
1 (REPR)	1ST STAGE TURBINE ROTOR DISK	3107079-1	8-03229-11E5

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FAA Repair Station No.: GW4R221M, Telephone (706) 793-5600, Fax (706) 793-0469

QTY	NOMENCLATURE	PART NUMBER	PART SERIAL
1 (REPR)	ACCESSORY GEARBOX HOUSING ASSY.	3107114-2	9-08169-2218
1 O/H	COMBUSTOR	3107173-1	98P28882
1 (NEW)	TURBINE BEARING	3108098-1	070633124781
36 (NEW)	1ST TURBINE BLADES	3108125-1	NSN
1 (NEW)	1ST STAGE COMPRESSOR IMPELLER	3108188-1	NSN
1 (NEW)	TURBINE SCAVENGE PUMP	3108282-2	07P34215
1 O/H	ANTI-ICE VALVE	319980-13-1	P-12497C
1 (NEW)	ACCESSORY DRIVE BEARING	358206	071409520389
1 (NEW)	ACCESSORY DRIVE BEARING	358206	071409528387
1 (NEW)	PLANETARY GEAR ASSY.	358268-1	071991426183
1 (NEW)	PLANETARY GEAR ASSY.	358268-1	071991426189
1 O/H	PLANETARY GEAR ASSY.	358268-1	9-09068-540
1 (NEW)	PLANETARY GEAR ASSY.	358268-1	071991426184
1 (NEW)	ACCESSORY DRIVE BEARING	358272	071409533481
1 (NEW)	ACCESSORY DRIVE BEARING	358272	071409533488
1 (NEW)	ACCESSORY DRIVE BEARING	358272	071409533512
1 (NEW)	ACCESSORY DRIVE BEARING	358272	071409533488
1 (NEW)	PROSHAFT SEAL AND ROTOR KIT	358278	NSN
1 (NEW)	ACCESSORY DRIVE BEARING	358348	070633125287
1 (NEW)	ACCESSORY DRIVE BEARING	358348	070633125382
1 (NEW)	ACCESSORY DRIVE BEARING	358348	070633125280
1 (NEW)	MATCHED BEARING SET	358894-1	MS070233004716
1 (NEW)	IGNITOR LEAD	369876-24	NSN
1 (NEW)	IGNITOR LEAD	369876-29	NSN
2 (NEW)	IGNITOR	369949-3	NSN
1 O/H	FUEL SHUT OFF VALVE	394230-9-1	P-3383
2 (NEW)	OIL PUMP GEROTOR	865101-3	NSN
1 (NEW)	AFT PROP SHAFT BEARING WASHER SET	865234-1	NSN
1 (NEW)	TORQUE SENSOR DRIVE GEAR	866306-6	NSN
1 (NEW)	BETA TUBE ASSY.	866533-3	NSN
1 (NEW)	COMPRESSOR BEARING CARRIER	868877-10	071686800486
2 (NEW)	PLENUM DRAIN VALVE	868889-3	NSN
1 (NEW)	OIL DEFLECTOR	869091-1	NSN

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QTY	NOMENCLATURE	PART NUMBER	PART SERIAL
1 O/H	PROP PITCH CONTROL	869130-19	P-146346
1 (NEW)	CONTROL ARM SHAFT	893086-3	NSN
1 O/H	DIFFUSER VANE	893384-1	NSN
1 INSP	2ND STAGE COMPRESSOR IMPELLER	893482-4	2-03160-739
1 O/H	PROP GOVERNOR	893651-17	1702535
1 (REPR)	DIAPHRAGM HOUSING	893731-12	1P1132
1 (NEW)	COUPLER	894119-1	NSN
1 (NEW)	QUILL SHAFT	894124-1	NSN
1 (NEW)	BALL LOCK SPRING	894774-1	NSN
1 (NEW)	BALL LOCK ASSY.	896214-1	NSN
1 (NEW)	REAR TURBINE SEAL	896494-3	070515891268
1 (NEW)	TACH DRIVE GEAR	896806-1	NSN
1 O/H	FUEL PUMP	897400-5	P-39470
1 (NEW)	FUEL SHUT OFF VALVE ARM	897757-2	NSN
1 O/H	FUEL CONTROL	897801-18	1115282
2 (NEW)	WAVE WASHER	S8809D1	1
1 (NEW)	WAVE WASHER	S8809D43	NSN
1 (NEW)	WAVE WASHER	S8809D44	NSN

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